Station 408

Temora longicornis — Corycaeus clausi
Candacia bispinosa — Pontellopsis lubbockii
Pontellopsis tenuicauda — Euchirella messinensis
Undeuchaeta plumosa — Scolecithrix danae
Calanus tenuicornis

Station 5457 June 5 - 1909

Euangaptilus hecticus
Pleuromamma xiphias — Rhincalanus cornutus
Scottocalanus thomasi — Centrangaptilus rattrayi
Euchaeta marina — Arietellus setosus
Arietellus armatus — Euchaeta spinosa
Undeuchaeta plumosa — Pleuromamma abdominalis
Eucalanus attenuatus — Pleuromamma gracilis
Lucicutia tenuicauda — Lophothrix humilifrons

Caldera Bay - Mindanao - Electric Light

Ostracods — Other Crustacea — Feb. 6, 1908 - Station 5133,

Labidocera krøyeri — Labidocera minuta
Labidocera acuta — Temora longicornis
Temora stylifera — Temora discaudata
Eucalanus attenuatus — Euchaeta marina
Pontellina plumata — Acartia danae
Neocalanus robustus — Pleuromamma abdominalis
Corycaeus speciosus — Oithona similis
Corycaeus latus — Eucalanus elongatus
Centropages furcatus — Neocalanus gracilis
Calanopia minor
Corycaeus longistylis — Sapphirina opalina
Candacia bipinnata — Macrosetella gracilis
Acrocalanus gracilis — Undinula vulgaris
Calanopia elliptica — Oncaea venusta
Oncaea similis — Scolecithrix danae
Oncaea minuta (continued)

Surface 4009 Hawaiian Exp. 1902

✓ Corycaeus agilis Corycaeus speciosus ✓
✓ Undinula vulgaris Euchaeta marina ✓
✓ Aerocalanus gracilis Labidocera acutifrons ✓
✓ Sapphirina danae Corycaeus latus ✓
✓ Sapphirina brady Corycaeus longistylis ✓
✓ done ✓ Candacia simplex Phaenna spinifera ✓
✓ Oncaea venusta Farranula carinata ✓
✓ Farranula rostrata Pontellina plumata ✓
✓ Corycaeus limbatus Corycaeus flaccus ✓
✓ Undinula caroli Pontellopsis regalis ✓
✓ Tarenobaeta inaisa Aerocalanus gibber ✓
✓ Undeuchaeta plumosa

(Other Crustacea Ostracods)

Sta 48 Aug 7, 1895 150 fms.

✓ Calanus cristatus - Metridia longa ✓
✓ Eucalanus elongatus Calanus finmarchicus ✓
✓ Euchaeta spinosa Eucalanus attenuatus ✓
✓ done ✓ Candacia simplex Gaidius tenuispinus ✓
✓ Labidocera dentata Eucalanus subcrassus ✓
✓ Temora stylifera Undinula vulgaris ✓
✓ Euchaeta marina Aerocalanus gracilis ✓
✓ Rhincalanus cornutus Phaenna spinifera ✓
✓ Tortanus gracilis Neocalanus robustus ✓
✓ Pleuromamma gracilis Centropages furcatus ✓
~~Corycaeus pumilus~~

Sta 3388 - 15 ft down

✓ done ✓ Corycaeus latus, Nannocalanus minor ✓
✓ Corycaeus agilis Farranula concinna ✓
Developt stages Corycaeus punctus ✓

Sta 5396 Mar. 15, 1909, 15 ft below surface
Eucal. attenuatus Undinula Caroli
(X) Euchaeta spinosa - Nannocal. minor
Undinula vulgaris Clausocal. arcuicornis

---

Sta. 5457, June 5, 1909 - Surface
(X) Sagetoides gisbrechti 1 ♂

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Sta - Port Sam Pio Quinto Nov. 11, 1908 -
Nothing of any kind worth saving

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Sta 5494, Aug. 2, 1909, 10 ft below surface
nothing worth preserving

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Sta 5125, Feb. 3, 1908 - Surface
Rhincal. cornutus Eucal. attenuatus
(X) Pleuromamma tiphias - Pleuromm. gracilis
Eucal. mucronatus Acartia danae

---

Sta. 5308, Mar. 18, 1908, 15 ft below surface
Corycaeus longistylis - Macrosetella gracilis
(X) Calanopia auriellii - Candacia aethiopica
Saph. aurouitens Oncaea venusta
Oncaea minuta Euchaeta marina
Undinula Caroli

---

Sta 5437, May 8, 1909 -
Pleurom. quadrungulata Eucal. attenuatus
(X) Corycaeus longistylis - Saph. aurouitens
Acaral. gracilis Scottocal thomasi
Tubbockia squillimana Euchaeta marina
Neocal gracilis - Nannocal minor
Macroset. gracilis

---

Sta. 5125, Feb. 3, 1908 - No copepods

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Sta. 5384, Mch 8, 1909 - nothing of any sort

Port Matalvi, Luzon, Nov. 23, 1908 -
no copepods or other crustacea

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(X) (5126) Naso ~~[illegible]~~ Point, Panay, Feb. 3, 1908
over ship's side with lure of electric light
✓Rhincalanus cornutus Sagh - fungusta ✓

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D. 5263 June 4, 1908
✓Eucal - elongatus Nannocalanus minor ✓
✓Paracal parvus - Eucal attenuatus ✓
✓Eucal - mucronatus - Euchaeta spinosa ✓
✓Pleuron - gracilis - Pleuromamma abdominalis ✓
✓Pleuron. pseudo Pareuchaeta gracilis ✓
✓Corycaeus speciosus Centropages furcatus ✓
✓Euchaeta marina Copilia quadrata ✓
✓Temora longicornis Temora stylifera ✓
✓Mesocalanus gracilis Temora discaudata ✓
(58 Spp) ✓Pleurom. borealis Undeuchaeta plumosa ✓
✓Sagh - nigromaculata Undeuchaeta major ✓
✓Lucicutia longicauda Rataria flava ✓
✓Copilia mirabilis Euchirella bitumida ✓
✓Corycaeus agilis Sagh - augusta ✓
✓Undeuchaeta major Dilium linearis ✓
(X) ✓Corycaeus pumilus Metridia longa ✓
✓Labidocera acuta Acartia negligens ✓
✓Farranula gibbula Farranula rostrata ✓
✓Corycaeus limbatus - Sagh auroniteus ✓
✓Phaenna spinifera Lucicutia flavicornis ✓
✓Sevecittricella ovata Candacia simplex ✓
✓Undinula vulgaris Sagh scarlata ✓
✓Saphocal - schmitzi Oncaea conifera ✓
✓Euchirella intermedia Pleurom - quadrangulata ✓
✓Lucicutia tenuicauda Heterorhab. spinifrons ✓
✓Calanopia elliptica Heterorhab papillosum ✓
✓Pleurom - quadrangulata Acrocal gibba ✓
✓Candacia longimana Calanopia minor ✓
✓Sevecittricella europeaten Corycaeus ovalis ✓

(58)

Surface 3980 Hawaiian Islands 1902

✓ Scolecithrix danae Pontellina plumata ✓
✓ Euchaeta marina Euchaeta acuta ✓
✓ Undinula vulgaris Undinula vulgaris ✓
✓ Undinula darwinii Scolecithrix danae ✓
✓ Scolecithrix bradyi Acrocalanus gracilis ✓
✓ Candacia aethiopica. Labidocera acutifrons ✓
✓ Pontella securifer Pontellopsis stebbingi ✓
✓ Labidocera detruncata Corycaeus limbatus ✓
✓ Oncaea venusta Phaenna spinifera ✓
✓ Macrosetella gracilis Oithona similis ✓
✓ Pontellopsis digitata n. sp.

(done)

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Surface 4009 Hawaiian Islands

(done)

✓ Pontellina plumata Copilia quadrata ✓
✓ Corycaeus agilis Scolecithrix danae ✓
✓ Euchaetus attenuatus Neocalanus gracilis ✓
✓ Candacia aethiopica Acartia danae ✓
✓ Neocalanus robustior Oncaea venusta ✓
✓ Labidocera acutifrons Corycaeus limbatus ✓
✓ Corycaeus flaccus - Corycaeus speciosus ✓
✓ Labidocera detruncata Corycaeus crassiusculus ✓
✓ Corycaeus longistylis Copilia mirabilis ✓
✓ Acrocalanus gracilis Farranula concinna ✓
✓ Acartia danae Phaenna spinifera ✓
✓ Calocalanus pavo Corycaeus lubbockii ✓
✓ Oncaea minuta Sapphirina metallina ✓
✓ Euchaeta spinosa Calanopia minor ✓
✓ Sapphirina nigromaculata Pontellopsis armatus ✓
✓ Corycaeus latus Farranula rostrata ✓
✓ Copilia mirabilis Farranula carinata ✓
✓ Corycaeus vitreus

Sta 5319 - Nov. 5, 1908 Acc 67302

| | |
|---|---|
| Undinula vulgaris | Temora stylifera |
| Eucalanus crassus | Copilia mirabilis |
| Scolecithrix danae | Euchaeta marina |
| Eucalanus attenuatus | Undinula darwini |
| Eucalanus elongatus | Neocalanus gracilis |
| Pontellina plumata | Acartia danae |
| Sapphirina nigromaculata | Undeuchaeta major |
| Oncaea venusta | Lucicutia curta |
| Corycaeus agilis | Euchirella messinensis |
| Neocalanus minor | Oithona similis |
| Paraeuchaeta incisa | Undeuchaeta plumosa |
| Corycaeus speciosus | Corycaeus longistylis |
| Phaenna spinifera | Farranula concinna |
| Temora longicornis | Scolecithrix bradyi |
| Labidocera minuta | Oncaea ornata |
| Candacia simplex | Lucicutia longiserrata |
| Centropages calanus | Temora discaudata |
| Calanopia elliptica | Candacia turgida |
| Sapphirina angusta | Labidocera detruncata |
| Corycaeus lautus | Sapphirina auronitens |
| | Neocalanus gracilis |

Surface Station 27 (over at top of page) April 4, 1888 0°24'S. 89°16'W.

| | |
|---|---|
| Candacia turgida | Scolecithrix danae |
| Pontellopsis regalis | Labidocera detruncata |
| Pontella danae | Pontellopsis strenua |
| Temora discaudata | Temora longicornis |
| Temora stylifera | Undinula darwini |
| Undinula vulgaris | Eucalanus elongatus |
| Undinula darwini | Centropages calanus |
| Oithona similis | Eucalanus attenuatus |
| Euchaeta marina | Pontellina plumata |
| Sapphirina angusta | Corycaeus speciosus |

(over)

Sapphirina stellata — Pseudocalanus tenuidula
Corycaeus speciosus — Pleuromamma abdominalis
Corycaeus agilis — Pontella danae
Pontellopsis strenua — Sapphirina auronitens
Sapphirina opalina — Arietellus armatus
Calocopeges furcatus — Paracalanus parvus
Holostilus mucronatus — Euchirella messinensis
Labidocera agilis — Labidocera acuta
Sagitta perplexus — Labidocera minuta

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Sta 5494 10 ft below surface Aug 2, 1909
Corycaeus agilis — Paracalanus parvus
Pseudocalanus minutus

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Sta 5422 March 30, 1909
(Dne) Copilia quadrata — Eucalanus elongatus
Eucalanus mucronatus — Euchaeta marina
Acrocalanus gracilis — Undinula vulgaris
Neocalanus gracilis — Pleuromamma gracilis
Lobbockia squillimana — Euchaeta spinosa
Pleuromamma abdominalis — Pleuromamma xiphias
Eucalanus crassus — Scolecithrix danae
Eucalanus attenuatus — Sapphirina metallina
Undinula vulgaris — Sapphirina angusta
Acrocalanus tenuicornis — Candacia turgida
Metridia longa — Copilia mirabilis
Euchirella brevis — Nelocalanus robustus
Pontellopsis armatus — Rhincalanus cornutus
Scolecithrix bradyi — Euchaeta acuta
Candacia simplex — Lucicutia flavicornis
Macrosetella gracilis — Calanopia elliptica
Corycaeus speciosus — Haloptilus spiniceps
Corycaeus agilis — Heterorhabdus papilliger

Caldera Bay Mindanao 5133 (Cont)

✓ Corycaeus latus — Farranula rostrata ✓
✓ Farranula gibbula — Candacia aethiopica ✓
✓ Farranula carinata — Scolecithrix danae ✓
✓ Labidocera minuta — Labidocera strenua ✓
✓ Pontellopsis lamunata — Pontella securifer ✓
✓ Pontella valida — Pontella fera ✓
✓ Rhincalanus cornutus — Cymbasoma longispinosum ✓
✓ Monstrilla clavata — Monstrilla leucopis ✓
✓ Monstrilla sericornis — Cymbasoma rigidum ✓
✓ Pseudocalanus minutus — Oncaea similis ✓
✓ Corycaeus lautus — Pontellopsis regalis ✓
✓ Corycaeus speciosus — Corycaeus latus ✓
✓ Corycaeus agilis — Pontella securifer ✓
✓ Pontella deuticauda — Pontella valida ✓
✓ Caligus Hippuris — Pontella ceramii ✓
Labidocera insolita n. sp. ✓

(done)

Station 2396 Gulf of Mexico Mar. 13, 1885

✓ Sapphirina opalina — Temora longicornis ✓
✓ Temora stylifera — Scolecithrix danae ✓
✓ Eucalanus attenuatus — Euchaeta marina ✓
✓ Calanopia elliptica — Anomalocera manicauda n. sp. ✓
Pontella meadi Wheeler —

40/147 (39033) 162/165 (5-

Station 51 - Aug. 10, 1895
56° 15' N. 172° 35 W. 143 fatt
Calanus cristatus, Metridia longa

4 Gausia pincap.

Clausocalanus arcuicornis
Oithona plumifera
Pseudocal-minutus
Metridia gerlachei
Paracal-parvus
Undinula darwini

5.

Pontella securifer
Pontellina plumata

7

Mesaiocera chierchiae
Metridia lucens
Microstella norvegica
Oithona similis
Paracal parvus
Pontellina plumata
Metridia gerlachei
Microcalanus pygmaeus
Oculostella occulata
Oncaea venusta
Pleuromamma gracilis
Rhincalanus longicornis

8

Calocal paro
Metridia lucens
Oithona similis
Pleuromm-gracilis
Undinula darwini
Clausocal arcuicornis
Oculostella occulata
Paracal parvus
Pseudocal minutus

9

Lophothrix frontalis
Undinula vulgaris
Neocalanus gracilis
Undinula darwini

10

Centropages abdominus
Metridia longa
Paracal pygmaeus
Temora longicornis
Corycaeus lubbockii
Oithona spinirostris
Pseudocal minutus

11

Calanus simillimus
Lucicutia flavicornis
Metridia gerlachei
Oithona atlantica
Paracal parvus
Pleuromm-gracilis
Clausocal latifrons
Mesaiocera chierchiae
Metridia lucens
Oithona similis
Paraculeta antarctica
Pseudocal minutus

12

Calanus simillimus
Calanus tenuicornis
Mesaiocera chierchiae
Paracal-subulatus

ALBATROSS PLANKTON 1885 to 1909

LISTS OF COPEPODS AT THE SEVERAL STATIONS

34° 13′ 00″ N. 74 13° 30′ W. STATION 1 North Atlantic

Euaugaptilus gibbus Nov.22
Eucalanus elongatus 1887
Euchaeta marina
Lucicutia flavicornis
Lucicutia tenuicauda
Metridia longa
Neocalanus tenuicornis
Pleuromamma xiphias

Eucalanus attenuatus
Euchaeta acuta
Heterorhabdus papilliger
Lucicutia grandis
Lophothrix frontalis
Metridia princeps
Pleuromamma gracilis
Sapphirina nigromaculata
Surface 16 species

31° 16′ 00″ N. 71° 50′ W. STATION 2 North Atlantic

Amallophora magna Nov.23
Clausocalanus arcuicornis 1887
Disseta palumboi
Euchirella galeata
Gaidius pungens
Heterorhabdus papilliger
Metridia princeps
Pareuchaeta tonsa
Pleuromamma abdominalis
Undeuchaeta major G.O.Sars

Amallophora typica
Candacia simplex
Disseta longicauda
Euchirella curticauda
Gaetanus kruppii
Gaussia scotti
Lucicutia flavicornis
Nannocalanus minor
Phyllopus bidentatus
Pleuromamma xiphias
Surface 19 species

18° 40′ N. 63° 30′ W. STATION 3 North Atlantic

Acartia negligens Nov.27
Euchaeta spinosa 1887
Mecynocera clausi
Pleuromamma gracilis
Scolecithricella dentata
Arietellus simplex G.O.Sars

Candacia bispinosa
Labidocera acutifrons
Neocalanus robustior
Pontella securifer
Scolecithrix bradyi
Surface 10 species

13° 34′ N. 61° 04′ W. STATION 5 North Atlantic

Candacia bispinosa Nov.28
Euchirella brevis 1887
Haloptilus longicornis
Neocalanus gracilis
G.O.Sars

Clausocalanus arcuicornis
Gaetanus miles
Lucicutia flavicornis
Neocalanus robustior
Surface 8 species

11° 40′ N. 58° 33′ W. STATION 6 North Atlantic

Arietellus spinifrons Dec.5
Centropages violaceus 1887
Gaetanus miles
Haloptilus spiniceps
Neocalanus gracilis
Scolecithrix danae
G.O.Sars

Candacia varicans
Euchaeta marina
Haloptilus longicornis
Nannocalanus minor
Neocalanus robustior
Undinula caroli
Surface 12 species

13

Centropages calanus
Mesynodon clausi
Metridia lucens
Oithona spinirostris
Paracal. osculatus
Pseudocal. minutus
Clausocal. paululus
Metridia gerlachei
Microcal. pygmaeus
Microsetella norvegica
Pleurom. gracilis

16

Centropages calanus
Clausocalanus pergens

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19

Centropages calanus
Metridia gerlachei
Oncaea venusta
Paracal. parvus
Pseudocal. minutus
Macrosetella gracilis
Oithona similis
Oncaea minuta
Pleuromam. borealis

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20

Centropages abdomalis
Macrosetella gracilis
Paracal. parvus
Clausocal. arcuicornis
Oithona similis
Pseudocal. minutus

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21

Centropages furcatus
Macrosetella gracilis
Microsetella norvegica
Oithona similis
Paracal. parvus
Pseudocal. minutus
Clausocal. laticeps
Metridia gerlachei
Oithona frigida
Oncaea venusta
Pleurom. gracilis

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22

Centropages calanus
Eucal. attenuatus
Microsetella norvegica
Oncaea minuta
Paracal. parvus
Pseudocal. minutus
Euchaeta spinosa
Clausocal. arcuicornis
Metridia lucens
Oithona similis
Oncaea venusta
Pleurom. gracilis

STATION...3931

Corycaeus pacificus
Labidocera acutifrons
Pontella atlantica
Farranula rostrata
Paracalanus parvus
Pontella securifer

18

Analiophora affinis  Aidius pungens

23

Centropages calanus
violaceus
Microsetella norvegica
Oithona attenuata
Pleuron gracilis
Undinula darwini

Centropages furcatus
Clausocal arcuicornis
furcatus
Paracal parvus
Pseudocal minutus

24

Corycaeus lubbockii
Paracal aculeatus

Oithona similis
Pseudocal minutus

25

Clausocal paululus
Tuscal - elongatus
Metridia lucens
Oithona similis
Oncaea minuta
Pleuron gracilis
Sapphirina factens

Euculanus attenuatus
Mesocera clausi
Microsetella norvegica
Oithona spinirostris
Paracal pygmaeus
Pseudocal minutus -

26

Clausocalanus latusipes

29

Calanus finmarchicus
Mesocalanus clausi
Oithona frigida
Paracal parvus

Clausocalanus arcuicornis
Metridia lucens
Oithona similis
Pseudocal minutus -

33

Eglanus cristatus
Calanus finmarchicus
Macrosetella gracilis
Oithona similis
Pleuron - gracilis

Aug. 3
1893

Calanus hyperboreus - Eucal. attenuatus
Euculanus attenuatus
Microsetella norvegica
Paracal parvus -
Pseudocal minutus -

34

Acartia longa
Centropages violaceus
Corycaeus catus
Farranula protrata
Microsetella norvegica
Oncaea conifera
Oithona plumifera
Paracal parvus
Pleuron gracilis

Aug. 3
1893

Calanus finmarchicus
Corycaeus lubbockii
Corycaeus pedicellus
Metridia longa
Microsetella rosea
Oncaea notopa
Oncaea venusta
Pleuron - abdominalis
Pseudocal minutus

STATION...4010

Acartia longiremis
Candacia aethiopica
Candacia bipinnata
Candacia simplex
Copilia quadrata
Corycaeus latus
Corycaeus speciosus
Eucalanus attenuatus
Euchaeta marina
Farranula rostrata
Labidocera acutifrons
Labidocera wollastoni
Mecynocera clausi
Neocalanus gracilis
Oithona similis
Paracalanus parvus
Pontella atlantica
Pontella tenuiremis
Pontellopsis armata
Sapphirina auronitens
Undeuchaeta plumosa
Undinula vulgaris

Calocalanus styliremis
Candacia armata
Candacia norvegica
Centropages furcatus
Corycaeus agilis
Corycaeus longistylis
Dysgamus pacificus
Eucalanus elongatus
Euchaeta spinosa
Labidocera acuta
Labidocera detruncata
Lucicutia tenuicauda
Nannocalanus minor
Neocalanus robustior
Oncaea minuta
Phaenna spinifera
Pontella securifer
Pontellina plumata
Pseudocalanus minutus
Scolecithrix danae
Undinula caroli

Corycaeus furcifer
Farranula gracilis

3D

Farranula gibbula

35

Aug. 4 1893

Cal-cristatus
Clausocal furcatus
Corycaeus catus
Mecynocera clausi
Microstella norvegica
Oncaea venusta
Paracal parvus

Calanus finmarchicus
Corycaeus agilis
Corycaeus pumilus
Metridia brevicauda
Oithona similis
Pseudocal minutus

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36

Aug 6 1893

Acartia danae
Centropages violaceus
Clytemnestra rostrata
Mecynocera clausi
Microstella rosea
Oncaea venusta
Plankton gracilis

Centrocal-pauper
Clausocal-arcuicornis
Corycaeus catus, Lab-detrunata
Metridia brevicauda, Lucicut flavicornis
Oncaea minuta
Paracal parvus
Pseudocal minutus

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37

Aug 6 1893

Calanus finmarchicus
Cal-helgolandicus

Calanus cristatus

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38

Aug. 9, 1893

Cal-cristatus

Cal-fin

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39

Aug. 10 1893

Acartia clausi
Candacia aethiopica
Candacia simplex
Clausocal-arcuicornis
Corycaeus catus
Corycaeus longistylis
Euchirella brevis
Farranula rostrata
Oncaea minuta
Oncaea venusta
Phaenna spinifera
Sapphirina nonilens

Acartia danae
Candacia curta
Centrocal pauper
Centropages violaceus
Corycaeus dubius
Corycaeus robustus
Farranula carinata
Mecynocera clausi
Oncaea similis, Mannocal-minor
Paracal-parvus
Pseudocal-minutus
Spinocal abyssalis

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Aug 20 1893

Acartia danae
Cal fin-
Candacia simplex
Centrop violaceus
Corycaeus flaccus
Corycaeus pumilus
Farranula rostrata
Metridia longa
Metridia lucens
Oncaea venusta

Nannocal-gracilis
Candacia hispidosa
Centrocal pauper
Clausocal furcatus
Corycaeus longistylis
Corycaeus speciosus
Lubbockia aculeata
Microstella rosea
Paracal-aculeatus

Calanus cristatus
Candacia aethiopica norvegica
Centropages Calanus
Corycaeus catus
Corycaeus pacificus
Farranula carinata
Mecynocera clausi
Oncaea conifera
Paracalanus aculeatus
Plankton gracilis

Euchaeta-attenuata
Euchaeta spinosa

STATION...3981

Corycaeus pacificus
Labidocera acutifrons
Pontella atlantica
Farranula rostrata
Paracalanus parvus
Pontella securifer

Pseudocal minutus 41 (continued) Sapphirina auronitens

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42

Cantharocal pauper — Aug 21 1893 — Corycaeus flaccus
Corycaeus longistylis

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43

Cal-cristatus — Aug 22 1893
Candacia bipinnata
Corycaeus flaccus
Corycaeus speciosus
Farranula carinata
Farranula rostrata
Microsetella rosea
Oncaea similis

Centropages violaceus
Corycaeus longistylis
Eucal-attenuatus
Farranula gibbula
Macrosetella gracilis — H. M.
Oithona plumifera

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44

Sept 1 1893

Acartia danae
Corycaeus catus
——— speciosus
Euchaeta marina
Farranula gibbula
Lucicutia flavicornis
Microsetella rosea
Oithona similis
Paracal-parvus
Spinocalanus abyssalis

Calanus cristatus
Corycaeus longistylis
Eucal-attenuatus
Farranula carinata
Lubbockia aculeata
Meaynoseia clausi
Oithona plumifera
Oncaea venusta
Sapphirina auronitens

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45

Apr. 30 1894

Clausocal arcuicornis
Euchaeta marina
Microsetella norvegica
Oithona similis

Acartia danae
Eucal-longiceps
Farranula gibbula
Microsetella rosea
Oncaea similis

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Aug 5 1895

Acartia danae
Cal-fin
Corycaeus lubbocki
Euchaeta marina
Farranula rostrata
Oithona similis
Pseudocal minutus

Cal-cristatus
Calocal styliremis
Eucal attenuatus
Farranula gibbula
Oithona attenuata
Oncaea venusta

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47

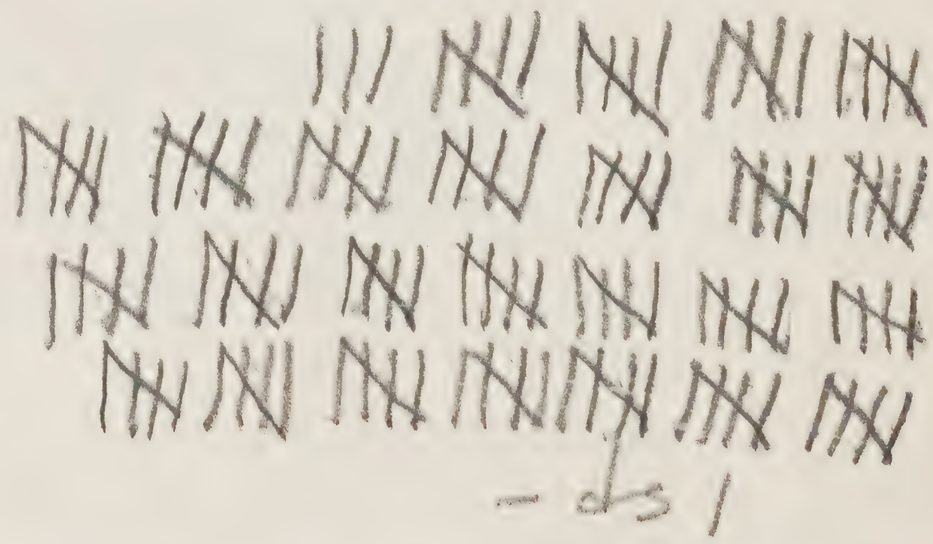
Aug 7 1895

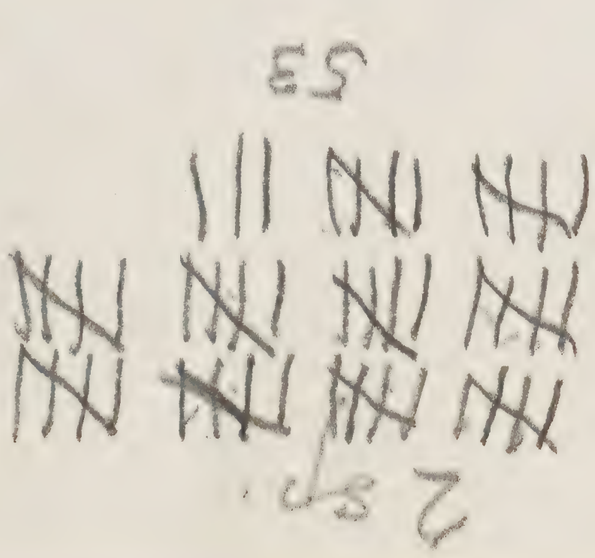
Acartia danae
Farranula gibbula
Lubbockia aculeata
Oithona attenuata
Oithona similis
Paracal-parvus

Clausocal-furcatus
Farranula rostrata
Microsetella rosea
Nannocal-minor
Oncaea venusta
Spinocal-abyssalis

STATION...3930

Euchaeta acuta
Oncaea minuta
Pontella securifer
Undinula caroli
Euchaeta marina
Phaenna spinifera
Scolecithrix danae



Corycaeus hebbodai

48

Corycaeus speciosus

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49

Acartia danae
Candacia simplex
Centropages calanimus
Corycaeus speciosus
Farranula rostrata
Microstella norvegica
Sapphirina aurentum
Spinocal. abyssalis

Aug. 8
1895

Cal. fin
Candacia bipinnata (Can. bispinosa
Canthocal pauper
Clausocal arcuicornis
Eucal attenuatus
Farranula gibula
Heterorhab. papilliger
Lucicutia gracilis
Metridia longa
Sapphirina opalina

15

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51

Acartia danae
Farranula gibula
Oithona similis
Paracal. parvus

Cal. finmarchicus
Aug 10
1895

Canthocal pauper
Farranula rostrata
Oncaea minuta
Scolecithricia bradyi

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52

Acartia danae
Candacia aethiopica
Clausocal furcatus
Corycaeus speciosus
Farranula gibula
Lucicutia flavicornis
Microstella norvegica
Oncaea venusta
Scolecithrix danae

Hetero

Aug 10
1895

Acrocal gracilis
Cal. fin.
Canthocal pauper
Corycaeus longistylis
Eucheta marina
Eucal. attenuatus
Farranula rostrata
Metridia longa
Meaynoseia albicei
Oithona atlantica
Pseudocal. minutus
Spinocal. abyssalis

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53

Acartia danae
Cal. finmarchicus
Candacia aethiopica
Centropages violaceus
Corycaeus speciosus
Farranula carinata
Farranula gibula
Microstella norvegica
Oncaea venusta
Scolecithrix danae

Hetero

Aug 11
1895

Acrocal gracilis
Cal. fin
Centropages calanus
Can. simplex
Clausocal arcuicornis
Eucheta marina
Nannocal minor
Eucal attenuatus
Farranula rostrata
Eucheta spinosa
Oithona atlantica
Metridia
Pseudocal minutus
Pleuromma
Spinocal abyssalis

STATION...3912

Acrocalanus gracilis
Copilia quadrata
Farranula rostrata
Neocalanus gracilis
Paracalanus parvus
Scolecithrix danae
Undinula darwini
Acrocalanus monachus
Euchaeta marina
Nannocalanus minor
Oncaea minuta
Sapphirina auronitens
Undinula caroli

54

Acartia danae
Candacia aethiopica
Candacia varicans
Farranula gibbula
Mesynosera clausi
Oithona attenuata
Paracal pygmaeus
Sapphirina lactens

Aug 12 1895

Calanus pavo
Copilia dentaculata
Euchaeta marina
Farranula rostrata
Microstella rosea
Paracal parvus
Phaenna spinifera
Scolecithrix danae

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55

Acartia danae
Centropages violaceus
Corycaeus longistylis
Euchaeta marina
Farranula gibbula
Farranula rostrata
Lucicutia flavicornis
Neocal gracilis
Oithona similis
Paracal parvus
Sapphirina auronitens

Aug 13 1895

Candacia pachydactyla
Corycaeus speciosus
Corycaeus clubbrookei
Euchaeta atlantica
Farranula carinata
Nannocal minor
Microstella rosea
Oithona attenuata
Oncaea similis
Pseudocal minutus
Scolecithrix danae

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56

Farranula rostrata

Aug 18, 1895

Calanus finmarchicus

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57

Acartia danae
Calanus finmarchicus
Candacia simplex
Centropages calanus
Centropages violaceus
Corycaeus longistylis
Corycaeus speciosus
Euchaeta atlantica
Euchaeta marina
Farranula carinata
Farranula gracilis
Farranula gibbula
Farranula rostrata
Lucicutia flavicornis
Microstella rosea
Oithona similis
Oncaea minuta
Oncaea venusta
Paracal parvus
Scolecithrix danae

Aug 19 1895

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58

Farranula carinata
F. gracilis
Oithona similis
Sapphirina auronitens

Aug 19 1895

F. gibbula
F. rostrata
Paracal aculeatus
Scolecithrix danae

STATION...3930

Euchaeta acuta
Oncaea minuta
Pontella securifer
Undinula caroli
Euchaeta marina
Phaenna spinifera
Scolecithrix danae

59

Aug 20 1895

Acartia danae
Centropages ridlaeus
Corycaeus lautus
Corycaeus lubbocki
Euchaet monachus
Farranula carinata
Farranula gracilis
Lucicutia flavicornis
Neocal. gracilis
Oithona similis
Paracal parvus
Pseudocal minutus
Sacchettina danae

Candacia simplex
Centropages calanicus
Corycaeus flaccus
Corycaeus furcifer
Corycaeus longistylis
Euchaeta marina
Farranula gibbula
Farranula rostrata
Metridia longa
Oithona attenuata
Oncaea venusta
Phaenna spinifera
Sapphirina nitentis

60

Aug 20 1895

Acartia danae
Candacia simplex
Centropages calanicus
Copilia lenticulata
Corycaeus flaccus
Corycaeus lautus
Corycaeus lubbocki
Farranula carinata
Farranula gracilis
Lucicutia flavicornis
Oithona similis
Pleuromamma gracilis
Pseudocal minutus
Sacchettina danae

Calanus cristatus
Candacia aethiopica
Centropages typicus
Clausocal arcuicornis
Corycaeus catus
Corycaeus furcifer
Corycaeus longistylis
Euchaeta marina
Farranula gibbula
Farranula rostrata
Metridia longa
Oithona spinirostris
Oncaea venusta
Pleuromamma abdominalis
Sapphirina nitentis
Copilia

61

Aug 21 1895

Candacia simplex
Corycaeus typicus
Farranula rostrata
Oithona attenuata
Pseudocal minutus

Centropages typicus
Farranula gibbula
Lucicutia flavicornis
Paracal abulatus
Sacchettina danae

62

Aug 21 1895

Acartia danae
Clausocal arcuicornis
Corycaeus longistylis
Corycaeus typicus
Farranula carinata
F. gracilis
Metridia lucens
Oithona similis
Oncaea venusta
Pseudocal minutus
Sacchettina danae

Candacia bispinosa
Cephalophanes refulgens
Corycaeus lubbocki
F. gibbula
F. rostrata
Microsetella rosea
Oncaea minuta
Paracal parvus
Sapphirina nitentis

STATION...3867

Acartia longiremis
Candacia bispinosa
Euchaeta marina
Farranula gibbula
Euchaeta media
Labidocera detruncata
Neocalanus gracilis
Paracalanus parvus
Pleuromamma gracilis
Scolecithrix danae
Candacia aethiopica
Eucalanus attenuatus
Euchaeta pubera
Farranula rostrata
Labidocera acutifrons
Nannocalanus minor
Oncaea minuta
Pleuromamma abdominalis
Sapphirina opalina
Undinula caroli

63

Aug 22 1895

Acartia danae
Actideus armatus
Centropages calanimus
Candacia tridentata
Corycaeus flaccus
Corycaeus longistylis
Corycaeus ovalis
Farranula carinata
Farranula gracilis
Lucicutia flavicornis
Microstella norvegica
Oithona attenuata
Oncaea minuta
Paracal pygmaeus
Pleuron robusta
Pseudocal minutus
Sapphirina auronitens

Acartia longiremis
Candacia aethiopica
Centropages violaceus
Clausocal arcuicornis
Corycaeus lautus
Corycaeus lubbockii
Corycaeus typicus
Farranula gibbula
Farranula rostrata
Megacalanus elongatus
Microstella rosea
Oithona similis
Oncaea venusta
Pleuron gracilis
Pontellina plumata
Rhincal. cornutus
Scolecithrix danae

64

Acartia danae
Caullocal pauper
Clausocal furcatus
Corycaeus flaccus
Corycaeus speciosus
Farranula carinata
——— gracilis
Lucicutia flavicornis
Megacalanus elongatus
Microstella rosea
Oithona attenuata
Paracal pygmaeus
Rhincal. cornutus
Scolecithrix danae
Undinula darwinii

Calocal - parvus
Centropages calanimus
Corycaeus agilis
Corycaeus robustus
——— gibbula
——— rostrata
Macrostella gracilis
Microstella norvegica
Nocal gracilis
Oithona similis
Pseudocal minutus
Sapphirina auronitens
Undinula vanelli

65

Acartia danae
Acrocalanus gracilis
Calocal - parvus
Candacia bipinnata — transpar
Centropages calanimus
Clausocal arcuicornis
Corycaeus agilis
——— flaccus
——— longistylis
——— ovalis
——— speciosus
Eucalanus crassus
——— monachus
Farranula carinata
——— gracilis
Heterorhabdus papilliger
Lubbockia squillimana
Candacia tridentata

Acrocalanus gibber
Actideus armatus
Calocal stylaremis
Candacia aethiopica
Candacia simplex
Centropages violaceus
Clausocal furcatus
Corycaeus crassiusculus
——— limbatus
——— lubbockii
——— pacificus
Eucal. attenuatus
——— elongatus
Euchaeta marina
Farranula gibbula
——— rostrata
Heterorhabdus spinifrons
Lucicutia flavicornis

STATION...3867

Acartia longiremis
Candacia bispinosa
Euchaeta marina
Farranula gibbula
Euchaeta media
Labidocera detruncata
Neocalanus gracilis
Paracalanus parvus
Pleuromamma gracilis
Scolecithrix danae
Candacia aethiopica
Eucalanus attenuatus
Euchaeta pubera
Farranula rostrata
Labidocera acutifrons
Nannocalanus minor
Oncaea minuta
Pleuromamma abdominalis
Sapphirina opalina
Undinula caroli

Macrostella gracilis
Megacalanus longicornis
Neocal. gracilis
Oncaea conifera
——— similis
——— venusta
Paracal. pygmaeus
Pleurom. abdominalis
Pontellina plumata
Sapphirina auronitens
Tortanus discaudatus

65 (continued)

Mesamocera lucasi
Microstella rosea
Oithona spinirostris
Oncaea minuta
——— subtilis
Paracal. aculeatus
Phaenna spinifera
Pleurom. gracilis
Rhincal. rostratus
Sarkathrix danae
Undinula vulgaris

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Acartia danae
Acrocal. gibber
Calocal. pavo
Clausocal. armicornis
Corycaeus agilis
——— dentatus
——— pumilus
——— speciosus
Eucalanus elongatus
Farranula carinata
——— gracilis
Metridia lucens
Neocal. gracilis
Oncaea minuta
——— venusta
Paracal. pygmaeus
Pseudocal. minutus
Sapphirina auronitens
Undinula darwini

66

Acartia negligens
Acrocal. gracilis
Candacia simplex
Centropages furcatus
Copilia lenticulata
Corycaeus flaccus
Corycaeus rostratus
——— longistylis
——— robustus
——— typicus
Eucalanus monachus, E. mucronatus
Farranula gibbula
——— rostrata
Microstella rosea
Oithona similis
Oncaea notopa
Paracal. parvus
Pleurom. gracilis
Rhincalanus cornutus
Tortanus discaudatus

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Acartia danae
Aetideus armatus
Centropages calanus
Eucal. attenuatus
Farranula carinata
——— rostrata
Metridia lucens
Microstella rosea
Oithona attenuata
——— spinirostris
Oncaea venusta

67

Acrocal. gracilis
Calocal. pavo
Corycaeus longistylis
Eucal. monachus
Farranula gracilis
Lucicutia flavicornis
Microstella norvegica
Neocal. gracilis
Oithona similis
Oncaea notopa
Pleurom. gracilis
Undinula darwini

STATION...2822

Corycaeus latus
Labidocera detruncata
Pontella atlantica
Pontellopsis armata
Labidocera acutifrons
Paracalanus parvus
Pontella tenuiremis

68

Corycaeus agilis
Farranula gracilis
Microsetella rosea
Oncaea venusta
Pseudocal minutus
Corycaeus ovalis
Farranula rostrata
Oncaea subtilis
Paracal parvus
Undinula darwini

69

Neocal - gracilis

70

Acartia clausi
——— negligens
Corycaeus agilis
——— limnus
——— ovalis
——— typicus
Euchaeta marina
Farranula gibbula
——— rostrata
Metridia lucens
Oncaea minuta
Parocal - parvus
Pseudocal minutus
Temora discaudata
Undinula darwini
Acartia danae
Clausocal - furcatus
Corycaeus crassiusculus
——— limbatus
——— speciosus
Eucalanus elongatus
Farranula carinata
——— gracilis
Lubbockia squilla
Microsetella norvegica
Oncaea venusta
Paracal pygmaeus
Sapphirina auronitens
Temora stylifera

71

Acartia danae
Acocal - gibber
Aetideus armatus
Centropages calanus
Clytemnestra scutellata
Corycaeus catus
——— ovalis
——— typicus
Eucal monachus, mucronatus,
Euchaeta marina
Farranula gibbula
——— rostrata
Heterorhabdus spinifrons
Microsetella rosea
Oncaea minuta
——— venusta
Paracal - parvus
Pseudocal minutus
Scolecithricella minor
Temora discaudata
——— stylifera
Undinula darwini - darwini - vulgaris
Acartia negligens
Acocal gracilis
Calocal pavo
Candacia simplex
Clausocal - furcatus
Corycaeus agilis
——— erythraeus
——— pumilus
Eucal - elongatus
Euchaeta acuta
Farranula carinata
——— gracilis
Lucicutia flavicornis
Macrosetella gracilis
Nannocal minor
Oncaea notopa
——— venusta
Phaenna spinifera
Sapphirina auronitens - intestinata
Scolecithrix danae
Temora longicornis

STATION...3829

Acartia danae
Acartia negligens
Acrocalanus gracilis
Calocalanus pavo
Candacia armata
Copilia mirabilis
Corycaeus catus
Corycaeus lautus
Corycaeus longistylis
Corycaeus speciosus
Dysgamus ariommus
Eucalanus crassus
Euchaeta marina
Euchirella intermedia
Farranula gibbula
Labidocera acutifrons
Neocalanus gracilis
Oithona similis
Oncaea minuta
Paracalanus parvus
Phaenna spinifera
Pontella securifer
Pseudocalanus minutus
Sapphirina auronitens
Scolecithrix bradyi
Undinula caroli
Undinula vulgaris

Acartia longiremis
Acrocalanus gibber
Acrocalanus monachus
Candacia aethiopica
Centropages gracilis
Copilia quadrata
Corycaeus latus
Corycaeus limbatus
Corycaeus pumilus
Corycaeus subtilis
Dysgamus pacificus
Eucalanus mucronatus
Euchirella curticauda
Farranula carinata
Farranula rostrata
Nannocalanus minor
Neocalanus robustior
Oncaea ornata
Oncaea similis
Pareuchaeta incisa
Pontella mediterranea
Pontellina plumata
Sapphirina angusta
Sapphirina ovatolanceolata
Scolecithrix danae
Undinula darwini

73

Acartia danae
Augaptilus gracilis
Corycaeus ovalis
Farranula carinata
——— rostrata
Microstella rosea
Oncaea conifera
——— notopa
Paracalanus parvus
Sapphirina auronitens
Temora discaudata

Acartia longiremis
Centropages velificatus
Euchaeta marina
Farranula gracilis
Heterorhab. papilliger
Microstella rosea
Oithona similis
Oncaea minuta
——— similis
Pseudocalanus minutus
Scolecithricella emarginata
Undinula vulgaris

Undinula vulgaris 74

75

Acartia longiremis
Centropages velificatus
Clausocalanus furcatus
Corycaeus clausi
——— flaccus
——— speciosus
Eucalanus attenuatus
Euchaeta marina
Farranula rostrata
Metridia lucens
Oithona plumifera
Oncaea minuta
——— venusta
Phaenna spinifera
Rhincalanus nasutus
Scolecithrix danae

Centropages furcatus
Clausocalanus arcuicornis
Corycaeus agilis
——— dubius
——— lenticus
——— typicus
Eucalanus mediacus
Farranula gracilis
Heterorhab. papilliger
Microstella rosea
Oithona similis
Oncaea notopa
Paracalanus parvus
Rhincalanus cornutus
Scolecithricella emarginata
Undinula carolii, darwinii, vulgaris —

76

Acartia negligens
Centropages furcatus
Corycaeus speciosus
Eucalanus attenuatus
Eucalanus monachus
Euchaeta marina
Farranula rostrata
Macrosetella clausi
Oithona plumifera
Oncaea minuta
Paraeuchaeta tonsa
Rhincalanus nasutus
Sporocalanus abyssalis

Candacia ~~bipinnata~~ bispinosa
Copilia lanceolata
Corycaeus typicus
Eucalanus elongatus
Euchaeta acuta
Euchirella brevis
Lucicutia longiremis
Microstella rosea
Oithona similis
Oncaea venusta
Pseudocalanus minutus
Scolecithrix danae
Undinula carolii, darwinii, vulgaris —

STATION...3829

Acartia danae
Acartia negligens
Acrocalanus gracilis
Calocalanus pavo
Candacia armata
Copilia mirabilis
Corycaeus catus
Corycaeus lautus
Corycaeus longistylis
Corycaeus speciosus
Dysgamus ariommus
Eucalanus crassus
Euchaeta marina
Euchirella intermedia
Farranula gibbula
Labidocera acutifrons
Neocalanus gracilis
Oithona similis
Oncaea minuta
Paracalanus parvus
Phaenna spinifera
Pontella securifer
Pseudocalanus minutus
Sapphirina auronitens
Scolecithrix bradyi
Undinula caroli
Undinula vulgaris

Acartia longiremis
Acrocalanus gibber
Acrocalanus monachus
Candacia aethiopica
Centropages gracilis
Copilia quadrata
Corycaeus latus
Corycaeus limbatus
Corycaeus pumilus
Corycaeus subtilis
Dysgamus pacificus
Eucalanus mucronatus
Euchirella curticauda
Farranula carinata
Farranula rostrata
Nannocalanus minor
Neocalanus robustior
Oncaea ornata
Oncaea similis
Pareuchaeta incisa
Pontella mediterranea
Pontellina plumata
Sapphirina angusta
Sapphirina ovatolanceolata
Scolecithrix danae
Undinula darwini

| NAME OF OBJECT. | LOCALITY. | ~~COLLECTOR.~~ Host | CATALOGUE NUMBER. | NO. OF SPECIMENS. | NO. OF SPECIES. |
|---|---|---|---|---|---|
| Lepeophtheirus | Queen Charlotte Is. | Rock Cod | 6106 | 1 | Too much broken to identify. |
| L. gracilis | Cornwall | Salmon | 8028 | 2 | |
| L. pectoralis | Moray Firth | | 8029 | 2 | |
| L. thompsoni | Cornwall | Turbot | 8032 | 2 | |
| L. nordmanni | Casco Bay | Mola rotunda | 12667 | 1 | |
| " | Vineyard Sound | " | 6018 | 25+ | |
| L. hippoglossi | Iceland | Stark | 12038 | 5 | |
| " | Off Cape Ann? | Halibut | 12631 | 25+ | |
| " | Shetland | " | 8031 | 4 | |
| " | Banquereau | " | 12634 | 3 | |
| Caligus curtus var. | Sta. 2495 | Cod | 12645 | 8 | 45° 0' N. 57° 25' W. 44 fath. |
| " | Vineyard Sound | " | 6018 | 20+ | |
| " | Sta. 137 | " | 12658 | 10+ | |
| " | " 135 | " | 12657 | 20+ | |
| " | Durham | " | 8027 | 7 | |
| " | Hyd. Sta. 171 | " | 12672 | 3 | 36 fath. 60° 25' N, 57° 35' W |
| " | Vineyard Sound | " | 6018 | 50+ | |
| " var. | Sta. 2517 | " | 12648 | 6 | 31 fath. 60° 0' N, 64° 0' W. |
| " | Harpswell, Me. | " | 8023 | | |
| " var. | ? | " | 12647 | 8 | |

| Name | Locality | Host | No. | Spec. | Collector. |
|---|---|---|---|---|---|
| Caligus rufimaculatus | W—H— | surface | W. 91. | 1 ♂ | V. N. E. |
| —— —— | W. H. | Pandulus heterocletus | W. 92. | 5 ♀ | |
| Echetus typicus | Washington, D.C. | Channel Bass | W. 93. | 10 ♀ | H. M. Smith |
| Lep. edwardsi | Woods Hole | Bandon Skate | W. 94 | 5 | V. N. E. |
| " " | " " | 10 lb. flounder | W. 95 | 10 | " " |
| ~~" parvicaudatus~~ | ~~Alaska~~ | ~~Halibut~~ | ~~6111~~ | ~~8~~ | ~~Bean~~ |
| ~~" bifurcatus, var.~~ | ~~San Francisco Bay.~~ | ~~Paeticthys melanostictus.~~ | ~~6110~~ | ~~2 ♀~~ | ~~Jordan~~ |
| Lep. edwardsi | W—H. | Sand Dab. | W. 96 | 2 ♀ | V. N. E. |
| " " | " | Paralichthys dentatus | W. 97 | 2 | V. N. E. |
| " " | Katama Bay | " | W. 98 | 10 | Thompson |
| " " | W—H— | " | W. 99. | 1 ♂ | " |
| " " | " " | Summer flounder | W. 100. | | C. B. W. |
| L. novemaculatus | —?— | Sun fish | W-101 | 1 ♀ | |
| Lep. edwardsi | W—H. | Flounder | ~~W. 1[illegible]~~ 1308 | 10 | V. N. E. |
| " " | " | P. dentatus | W. 102 | 5 | Thompson |
| " " | " | " | W. 103 | 1 | " |
| " " | " | " | | | |

| | | | | | |
|---|---|---|---|---|---|
| Caligus bonito - | Locality - Woods Hole | Host Bonito, mouth | Cat. No. W. 55 | No. of Specs 1 ♀ - | |
| " " | " " | " " | W. 56. | 5 ♀ + 1 ♂ | |
| ~~" "~~ | ~~" "~~ | ~~"~~ | ~~1307~~ | ~~5+~~ | |
| " " | " " | " | W. 57. | 6+ | |
| " " | " " | " | W. 58 | 25+ | |
| " " | " " | " | W 59 | 4. | |
| ~~Caligus~~ Lepeophtheirus Edwardsi — | " " | Paralichthys dentatus | W. 61. | 15+ | |
| " " | " " | Garfish | W. 70 | 1 ♂ | |
| " " | 37° 51' 15" N. 75° 05' 30" W - | P. dentatus - U.S.F.C. Grampus | W. 73. | | |
| Nessipus alcatus | Woods Hole | Sand shark (Mustelus) | W. 80 | 2 ♀ | |
| " " | Buzzards Bay | Smooth Dog | W. 81 | 1 ♂ | |
| " " | W. Hole | S. Shark gills | W. 82 | 2 ♀ | V. N. S. |
| " " | " " | " " | W 83 | 20 ♀ 5 ♂ | C. B. W. |
| Caligus chelifer | " " | Cutter - full | W. 84. | 1 ♀ | V. N. S. |
| Caligus belones | — 2 — | Comphoena squiceti | 1400, b. | 2 ♀ | |
| Caligus schistomyx | W. H. | Barndoor Skate - | W. 85. | | V. N. S. |
| Echetus typicus - | Washington | Channel Bass | W. 86. | 25+ ♀ | Dr. H. M. Smith |
| Caligus chelifer | W. H. | Sound - fish | W. 87. | | C. B. W. |
| Lepeoph parviventris | Chignik Bay | Sebastes maeroceptalus | W. 88. | | |
| — — | Loring Harbor | — — | W. 89. | | H. Neath, |
| Homoiolis pallida | ~~"~~ | Ophiodon | W. 75 | — | — |
| Lep. parviventris | Station 4212 | Lepidopsetta sp. | W. 90 | — | — |

| | | | | |
|---|---|---|---|---|
| Cafgius rapax | W-Hole | Blue Hake | 13203 | 6+ |
| " " | " " | Cod - | Acc 1417 | 15+ |
| " " | " " | Barndoor Skate | 1399 | 5- |
| " " | " " | Surface | W. 34 | 10 |
| " " | " " | Codfish - | 1413 | 10 |
| " " | " " | Surface | W. 35 | 15 |
| " " | " " | Codfish vent | 1420 | 2 |
| " " | " " | Codfish | 1408 | 25+ |
| C. rapax, Chalinus - | Cases Bay | Tom Cod | W. 36, | 8+ |
| " " " | W-Hole - | —?— | W. 37. | 1 - |
| " " ♂ | Vineyard Sound | menhaden | W. 38 | - 1 - |
| C. centius - | W-Hole | Cod-mouth. | W. 39, | 15 |
| " " Chalinus - | Harpswell, Me | Cod-fin - | 8116 | 1 |
| " " | W-Hole | Cod - | W. 40 | 5- |
| " " | " " | Haddock - | W. 41. | 3 |
| " " | Cases Bay | Raia laevis - | 858 | 2. |
| " " | W-Hole | Cod - | W. 42 | 30 |
| C. rapax | W-Hole | Whiting - | W. 43 | 10 |

| Name | Locality | Host | Cat No. | No. | |
|---|---|---|---|---|---|
| Caligus rapax | ~~N. Truro~~ | ~~Cod~~ | ~~W. 22~~ | 50 | — |
| " " | Sta 636 | Thyris chuss | W. 23 | 50 | — |
| " " | W-Hole | Winter skate | W. 24 | 50 | — |
| Caligus curtus | Cusco Bay | Haddock | W. 25 | 20+ | — |
| " " | " " | " | W. 26 | 10+ | |
| " " | " " | Pollock | W. 27 | 2+ | — |
| " " | " " | " | W. 28 | 2+ | — |
| " " | " " | " | W. 29 | 3+ | — |
| " " | " " | Hake | W. 30 | 1- | — |
| " " | Sta. 574 | Cod | W. 31 | 5+ | — |
| " " | Woods Hole | Cod | V.N.E. 1384- | 30+ | — |
| " " | " | " | VNE 1393 | 50+ | — |
| " " | " | " | 1463 | 10+ | — |
| " " | " | " | 1466 | 10+ | |
| " " | Woods Hole | Surface | W. 32 | 1- | |
| " " | Woods Hole | Codfish | V.N.E. 1301 | 10- | |
| ~~" "~~ | ~~" "~~ | ~~" "~~ | ~~1417~~ | ~~25~~ | |
| " " | " | " | 1485 | 15 | |
| " " | " | " mouth | 1423 | 25 | |
| " " | " | " | 1462 | 25 | |
| " " | " | " | W. 33 | 10 | |
| " " | " | " | 1464 | 10 | |
| " " | " | " | 1405 | 5 | |

| Name | Locality | Host. | Cat. No. | No. of Specs. | |
|---|---|---|---|---|---|
| Lepeophtheirus salmonis | Alitak Bay (Alaska) | Salmon sp. | 41840 | 4. | 3♀, 1♂. |
| Caligus curtus | Woods Hole | Cod – | — | 40+ | V.N.E. |
| " " | " " | Flatfish | — | 6+ | V.N.E. |
| " " | Block Island | Cod – | — | 6+ | V.N.E. |
| Caligus rapax | " " | " | — | 18+ | " |
| Lepeophtheirus edwardsi | Kalama | Paralichthys dentatus | — | 5 | Thompson. |
| Caligus rapax | Woods Hole | Young Pollock | W.1. | 2♂ 7 Chalimus | V.N.E. |
| " " | Sta. 587. Grampus – | Phycis chuss | W.2. | 20+ | |
| ~~Sta. 193~~ " | Sta. 193 – | Paralichthys dentatus | W.4. | 5+ | |
| " " | Casco Bay | Pollock – | W.5 | 100 – | C.B.W. |
| " " | " " | Haddock. | W.6. | 5 – | " |
| | North Truro | Raia laevis | W.7. | 10+ | Grampus – |
| | Casco Bay | Cod & Pollock | W.8 | 30+ | C.B.W. |
| | W. Hole | Sand Shark | W.9. | 5 – | " " |
| | Casco Bay | Cod's Mouth | W.10 | 8 – | " " |
| | Vineyard Sound | Redder-fish | W.11 – | 6 | " " |
| | W. Hole – | Stomach of a Swordfish | W.12. | 1 | " " |
| | " " | Remora | W.13 | 5 | " " |
| | " " | Winter Skate | W.14 | 3 | " " |
| | " " | Carcharias crypos | W.15 | 3 | " " |
| C. curtus + C. rapax — | " " | Cod – | W.16. | 50 | V.N.E. |
| C. rapax | " " | Swordfish | W.17. | 50 | C.B.W. |
| " " | " " | Flounder | W.18 | 8 | V.N.E. |
| " " | " " | Cutlass-fish | W.19 | 3 | V.N.E. |
| " " Chalimus | " " | Mourasenithus | W.20 | 1 | C.B.W. |
| " " | New Bedford | Long-nose Sturgeon | W.21 | 3 | V.N.E. |

| | | | | | |
|---|---|---|---|---|---|
| | | | ~~32745~~ | | No — |
| ~~P. simulatus ♂~~ | W-Hole | Sand Shark | ~~W.110~~ | 5 | 3 ♂s. |
| | | | ~~32834~~ | | |
| ~~N. alatus ♂~~ | " " | " " | ~~W.111~~ | 5 | |
| ~~P. simulatus~~ young ♀ | " " | " " | ~~32730~~ | 5 | |
| Caelorhinus phalos | Pearl Banks Ceylon | Gills of Tetrodon stellatus | 32731 | 2 | Cotypes. |
| Disconus spinifer | " " | " " | 32729 | 2 | " " |
| Dysgenius anonymus | Atlantic Sur.? | surface | 32728 | 1 | Type. |
| P. smithii ♂ | Muskegat Channel | Aug. 14, 1887 | 32732 | 1 | Type ♂. |
| P. smithii ♀s | W. Hole | Sand Shark | ~~32734~~ | 5 | Young adult |
| Trebius exilis | Ceylon | Rhinoptera javanica | 32723 | 2 | Cotypes |
| Alebion glaber | No | data | 32738 | 1 | |
| ~~Neiuppa alatus ♂~~ | ~~W. Hole~~ | ~~Flounder~~ | ~~32740~~ | ~~1 ♂~~ | |
| ~~" centrinidis ♂~~ | ~~Sta 2422~~ | ~~10 ft. Shark~~ | ~~32742~~ | ~~4 ♂~~ | |
| ~~Nes. alatus ♂~~ | ~~W. Hole~~ | ~~Trachinus argyrophagus~~ | ~~32743~~ | ~~1 ♂~~ | |
| ~~" " " " "~~ | | ~~Sygnathus lit.~~ | ~~32744~~ | ~~1 ♂~~ | |
| | | | ~~32746~~ | 2 ♀ | |
| ~~P. simulatus, young ♀~~ | W. Hole | Dusky Shark | ~~32747~~ | 3 ♀ 1 ♂ | V.N.E. |
| ~~" " ♂ + ♀~~ | " " | Large Shark | ~~32748~~ | 15 ♀ | " " |
| ~~" " ♀~~ | " " | Sand Shark | ~~32749~~ | 1 ♂ + 1 ♀ | |
| ~~P. simulatus ♂ + ♀ in copulation~~ | W. Hole | | ~~32750~~ | 1 ♂ | |
| ~~" " ♂~~ | " " | " " | ~~32751~~ | 6 ♀ 2 ♂ | |
| ~~" " ♂ + ♀~~ | " " | " " | ~~32752~~ | ~~1 ♂~~ | |
| ~~P. smithii ♂~~ | ~~Sta 2422~~ | ~~10 ft. shark~~ | 32753 | | |
| | | | ~~32754~~ | ~~4 ♀~~ | |
| P. smithii ♀s | Gulf of Mexico | Small shark' back | | | |
| ~~P. simulatus~~ | W. Hole | Sand Shark | ~~32755~~ | 5 ♀ | |
| ~~P. simulatus~~ | W. Hole | Man-eater shark | ~~32756~~ | 1 ad. 5 young ♀ | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ~~Pristiophorus cirratus~~ | W. Hole | Shark | ~~32754~~ | 1 ♂ | V.N.E. (225) | |
| " " | W. " | Mustelus lenis | ~~32755~~ | 2 ♀ | | |
| " " | " " | Sand Shark | ~~9~~ | 1 ♀ | 2 in capsules | |
| " " | " " | " " | ~~60~~ | 8 ♀ | | |
| | | | ~~61~~ | | | |
| | | | ~~62~~ | | | |
| | | | ~~63~~ | | | |
| | | | ~~64~~ | | | |
| P. cirratus | W. Hole | Mackerel Shark | ~~65~~ | ~~7 ♀~~ | | |
| " " | " | Sand Shark | ~~66~~ | ~~25 ♀~~ | | |
| | | " " | ~~67~~ | ~~25 ♀~~ | | |
| " " | " | " " | ~~68~~ | ~~5 ♀~~ | | |
| " " | " | " " | ~~69~~ | | | |
| " " | " | " " | ~~70~~ | | | |
| " " | Beaufort, N.C. | Scoliodon terraenovae | ~~71~~ | 2 ♀. | | |
| ~~P. cirratus~~ | ~~Hawaii~~ | ~~Shark~~ | ~~72~~ | ~~3 ♀~~ | | |
| P. cirratus | Beaufort, N.C. | Carcharinus obscurus | ~~73~~ | 3 ♀ | | |
| " " | W. Hole | Sand Shark | ~~74~~ | 30 ♀ 3 ♂ | | |
| Parissopus communis | W. Hole - | Carch. obscurus | 75 | 10 ♀ - | | |
| " " | " | Smooth Dog-fish | 77 | 2 ♂, 2 ♀ | Undoubt. stages - | |
| Philothrafonisceus serratus, Kr. | Off W. Hole | Orthrafonisceus nodo - | 78 | 8 ♀ s. | | |
| " | Str. Albatross, Sept 1886. | " " | ~~79~~ | ~~1 ♀~~ - | appears sterile | |
| " | 120 miles off W. Hole | " " | 80 | 6 ♀ - | | |
| Rhinomura lateflea | " " " " | Mackerel Shark | 82 | 6 ♀ s. | | |
| " ferox | locality unknown | | 83 | 6 ♀ s | | |
| " lateflea | local. unk. - | Lamna cornubica | 84 | 3 ♂ s. | | |
| Negaprion alatus | W. Hole - man-eater shark | | ~~86~~ | ~~2 ♀ s.~~ | | |
| " " | " Smooth Dogfish | | ~~87~~ | ~~1 ♂~~ | | |
| " " | " Sand shark | | ~~88~~ | ~~2 ♀~~ | | |

| | | | | | |
|---|---|---|---|---|---|
| ~~Neoppia borealis~~ | ~~Alaska collection, Dall~~ | | ~~32769~~ | ~~1♂~~ | |
| " alaterus - | Beaufort, N.C. | Scolodontorrhina norae | -90 | 1♀ | |
| " " | " " | Sphyrna tiburo | -91 | 1♀ | |
| " " | " " | Scoliodon terrae novae | -92 | 7♀ | |
| " " | Woods Hole | Sand Shark | -93 | 2♀ | |
| " " | Beaufort, N.C. | Sphyrna zygaena | -94 | 10♀ | |
| " " | W-Hole | Sand Shark | -95 | young ♀ | |
| → Caligus latreillii | " " | Mola mola | -96 | 1♂ 3♀ | |
| " " | Calif. coast | " " | -97 | 1♂. 3♀. young | |
| Caligus rufimaculatus | Beaufort, N.C. | Tautoga onitis | -98 | 1♂-4♀ | |
| Argulus laticauda | " " | Pteroplatea micrura - | -99 | 2♀ | |
| Lepeophtheirus monacanthus | " " | Felichthys marinus | -800 | 15+♀ | |
| Argulus funduli | " " | Fundulus majalis | -801 | 1♀ | |
| Lepeophtheirus edwardsii | " " | Paralichthys dentatus - | -802 | 4♀ 1♂ | |
| Caligus balonus | " " | Cynoglossus squinsetis - | -803 | 2♀ | |
| Lep. monacanthus | " " | Narcinemacrichthys jelis - | -804 | 10♀ | |
| Tuxophorus caligodes | " " | Rhabycentron canadus | -805 | 2♀ 1♂ | types |
| " " | " " | Sphyrna zygaena nauarchus | -806 | 2♀ | |
| " " chabrinus | " " | Tylosaurus marinus | -807 | 5+ - | |
| Parapetalus occidentalis | " " | Rhabycentron canadus | -808 | 20+ | types |
| " " | " " | " " | -809 | 10+ | |
| Lepeophtheirus longispinosus | " " | Sphyrna zygaena | -810 | 2♀ | |
| Abaisia pseudoraptus | " " | Synodus foetens | -811 | 4♀ 2♂ | Types. |
| Caligus rufus, n. sp. | " " | Felichthys marinus | -812 | 4♀ | Types. |
| nemesis attenuata | " " | Scoliodon terrae novae | -814 | 25+ | Types |
| Caligus haemulonis | " " | Felichthys marinus | -813 | 6♀ 1♂ | |

Dolops doradis – Comp. with type by Bouvier Forges, Argentine Rep.

Dolops repeta – Sur un Aymara River Tonnier.
Contesté franco brazilian – Geay –

Dolops tridentata, Bouvier, Types. River Tonnier,
sur une Anguille – Contesté franco brazilian Geay

Dolops ranarum, Cotypes – Buckeln – sur tétards d'
Hyperolius – Afrique orient –

Argulus alosae stomach of Sword fish. Woods Hole – 1♀

Argulus megalops skate – Woods Hole – 1♀

Caligus rapax – Scup – Woods Hole – 50+

Argulus lateralis – Flounders Chespeake Bay – 6♀♂

Pandarus sinuatus – Sand Shark. W. Hole. #32816 – 1♂

Argulus appendiculosus Sucker. Montpelier. Vt. 32817 – 30+♂♀

" " " " " 32818 – 10♂♀
Types.

" maculosus – Ambloplites rupestris. Lake. Mich. 32819 – 1♀

" Catostomus – Catos. catostomus. Lake. Mich. 32820 – 4♀2♂

" maculosus – Ameiurus natalis " " 32821 – 1♀

" " Newly hatched nauplii 32822 – 20+

" " Ameiurus natalis " " 32823 – 6♀4♂

" " " " " " 32824 – 15+

" americanus, Anguilla vulgaris " " 32825 – 2♀

" maculosus – Egg strings " " 32826 –

" lateralis Pomoxis dentatus Fortress Monroe. Va. 32827 – 20+

" trilineata Gold fish – Macon Ga – 32828 1♀

Caligus curtus - Codfish - W. Hole 10+

Numbers and Other Data of Certain Dredging Stations of the Albatross, Fish Hawk, and Speedwell.

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Steamer Speedwell.

| Number. | Ocean. | Date. | Lat. N. | Long. W. | Depth. |
|---|---|---|---|---|---|
| 138 | Atlantic, Off Cape Ann | July 29,1878 | 42°-33'-00" | 70°-26'-00" | 59 fathoms |
| 198 | do. | Sept. 2, " | 42°-31'-00" | 70°-20'-00" | 50 " |

Steamer Fish Hawk.

| | | | | | |
|---|---|---|---|---|---|
| 879 | Atlantic, Off Martha's Vineyard | Sept.13,1880 | 39°-49'-30" | 70°-54'-00" | 225 " |
| 894 | do. | Oct. 2 " | 39°-53'-00" | 70°-58'-30" | 365 " |
| 895 | do. | do. | 39°-56'-30" | 70°-59'-45" | 238 " |
| 949 | do. | Aug.23,1881 | 40°-03'-00" | 70°-31'-00" | 100 " |
| 1029 | do. | Sept.14, " | 39°-57'-06" | 69°-16'-00" | 458 " |
| 1031 | do. | do. | 39°-57'-00" | 69°-19'-00" | 255 " |
| 1096 | do. | Aug. 11,1882 | 39°-53'-00" | 69°-47'-00" | 317 " |
| 1111 | do. | " 22, " | 40°-01'-33" | 70°-35'-00" | 124 " |
| 1113 | do. | do. | 39°-57'-00" | 70°-37'-00" | 192 " |
| 1122 | do. | " 26, " | 40°-02'-00" | 68°-50'-00" | 351 " |
| 1140 | do. | Sept. 8, " | 39°-34'-00" | 71°-56'-00" | 374 " |
| 1143 | do. | do. | 39°-29'-00" | 72°-01'-00" | 452 " |
| 1153 | do. | Oct. 4, " | 39°-54'-00" | 70°-37'-00" | 225 " |
| 1159 | Off Nantucket | Aug.23,1883 | 40°-20'-00" | 70°-35'-00" | 55 " |
| 1160 | do. | do. | 40°-35'-30" | 70°-41'-00 | 41 " |

## Steamer Albatross.

| Number. | Ocean. | Date. | Lat. N. | Long. W. | Depth. |
|---|---|---|---|---|---|
| 2001 | Atlantic, Cape Hatteras to Cape May. | Mar. 22, 1883 | 37°-46'-30" | 74°-00'-00" | |
| 2003 | do. | " 23, " | 37°-16'-30" | 74°-20'-23" | |
| 2035 | Cape May to Nantucket | July 17, " | 39°-26'-16" | 70°-02'-37 | |
| 2037 | do. | " 18 " | 38°-53'-00" | 69°-23'-30" | |
| 2052 | do. | Aug. 1, " | 39°-40'-05" | 69°-21'-25" | |
| 2075 | Nantucket to Cape Sable, N.S. | Sept. 3, " | 41°-40'-30" | 65°-35'-00" | |
| 2078 | do. | " 4, " | 41°-11'-30" | 66°-12'-20" | |
| 2083 | do. | " 5, " | 40°-26'-40" | 67°-05'-15" | |
| 2092 | Cape Hatteras to Nantucket | " 21, " | 39°-58'-35" | 71°-00'-30" | |
| 2097 | do. | Oct. 1, " | 37°-56'-20" | 70°-57'-30" | |
| 2107 | do. | " 9, " | 35°-19'-30" | 75°-15'-20" | |
| 2173 | do. | July 21, 1884 | 37°-57'-00" | 72°-34'-00" | |
| 2180 | do. | " 23 " | 39°-29'-50" | 71°-49'-30" | |
| 2181 | do. | do. | 39°-29'-00" | 71°-46'-00" | |
| 2186 | do. | Aug. 2, " | 39°-52'-15" | 70°-55'-30" | |
| 2189 | do. | " 4, " | 39°-49'-30" | 70°-26'-00" | |
| 2193 | do. | " 5, " | 39°-44'-30" | 70°-10'-30" | |
| 2195 | do. | " 5, " | 39°-44'-00" | 70°-03'-00" | |
| 2201 | do. | " 19, " | 39°-39'-45" | 71°-35'-15" | |
| 2202 | do. | " " " | 39°-38'-00" | 71°-39'-45" | |
| 2203 | do. | " " " | 39°-34'-15" | 71°-41'-15" | |
| 2205 | do. | " 20 " | 39°-35'-00" | 71°-18'-45" | |

Albatross (continued).

| Number. | Ocean. | Date. | Lat. N. | Long. W. | Depth. |
|---|---|---|---|---|---|
| 2206 | Cape Hatteras to Nantucket | Aug. 20,1884 | 39°-35'-00" | 71°-24'-30" | |
| 2209 | do. | " 21, " | 39°-34'-45" | 71°-31'-30" | |
| 2212 | do. | " 22, " | 39°-59'-30" | 70°-30'-45" | |
| 2224 | do. | Sept. 8, " | 36°-16'-30" | 68°-21'-00" | |
| 2237 | do. | " 13, " | 39°-12'-17" | 72°-09'-30" | |
| 2179 | do. | July 23, " | 39°-30'-10" | 71°-50'-00" | |
| 2429 | Atlantic,Off Newfoundland | June 23,1885 | 42°-55'-30" | 50°-51'-00" | |
| 2528 | Cape Sable to Cape May | July 13, " | 41°-48'-30" | 65°-44'-30" | |
| 2681 | Long Island to Nantucket | " 16, " | 39°-43'-00" | 70°-29'-00" | |
| | | | Lat. S. | | |
| 3400 | Pacific, Off Galapagos Is. | Mar. 27,1891 | 0°-36'-00" | 86°-46'-00" | |

In 1883 the Albatross engaged in fishery and deep-sea investigations of the Middle Atlantic and New England States.

The first dredging station occupied by the Albatross is numbered 2001, Mar. 22, 1883.

The first dredging station occupied by the Fish Hawk is numbered 770, Aug. 6, 1880.

Complete records of all dredging stations noted in this letter may be found in Report of U. S. Fish Commissioner for 1886, pp. 871 - 1018 incl.

*Added from MS. -- LMc

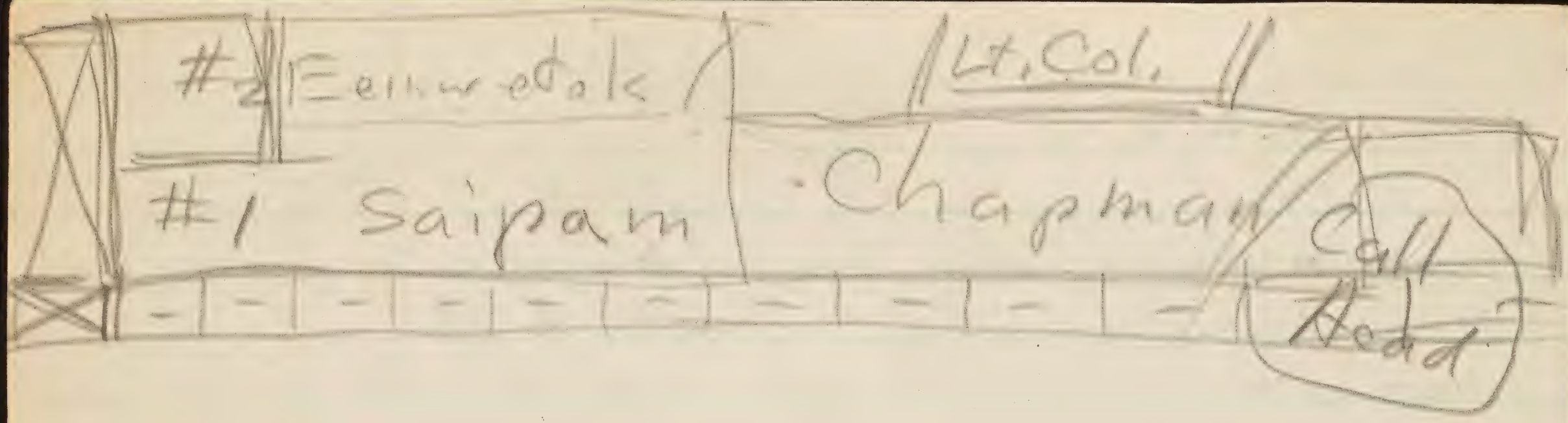
| | | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 176 | 178 Euchirella curticauda | 30 | | | x | x | x | | | | |
| 177 | 179 galeata | 45 | | | 0 | x | x | | | x | |
| 178 | 180 grandicornis | 24 | | | | | | 27 | x | | |
| 179 | 181 intermedia | 46 | | | x | x | 0 | | | | x |
| 180 * | 182 maxima | 47 | | | | X | X | | | | |
| 181 | 183 messinensis | 31 | | | x | x | x | | | | |
| 182 | 184 pulchra (for 30 see p. 4) | 12 | | X | x | x | x | | | | |
| 183 | 185 rostrata | 32 | | X | x | x | 0 | | | | |
| 184 | 186 venusta | 59 | | | 0 | X | X | | | | |
| 185 | 187 Farrania oblonga | 145 | | | | X | | | | | |
| 186 | 188 Farranula carinata | 33 | | | x | x | x | | | | |
| 187 * | 189 concinna | 34 | X | | X | | X | | | | |
| 188 | 190 curta | 60 | | | x | 0 | 0 | | | | |
| 189 | 191 gibbula | 48 | | | x | 0 | x | | | | |
| 190 | 192 gracilis | 35 | X | | x | x | 0 | | | | |
| 191 | 193 rostrata | 49 | | | x | x | 0 | | | | |
| 192 | 194 Gaetanus antarcticus | 25 | | | 0 | 0 | 0 | 28 | | | x |
| 193 | 195 armiger | 36 | | | x | x | x | | | | |
| 194 | 196 curvispinus | 26 | | | | | | 29 | x | | |
| 195 | 197 inermis | 61 | | | 0 | x | 0 | | | | |
| 196 | 198 kruppii | 37 | | | X | x | X | | | | |
| 197 | 199 latifrons | 75 | | | x | x | x | | | | |
| 198 | 200 microcanthus | 27 | | | | | | 30 | x | | |
| 199 | 201 miles | 38 | | | x | x | x | | | | |
| 200 | 202 minor | 39 | | | x | x | x | | | | |
| 201 | 203 pileatus | 50 | | | 0 | x | X | | | | |
| 202 | 204 recticornis | 28 | | | 0 | 0 | 0 | 31 | | | x |
| 203 | 205 Gaidius affinis | 51 | | | x | x | x | | | | |
| 204 | 206 brevicaudatus | 62 | | | 0 | x | 0 | | | | x |
| 205 | 207 brevispinus | 52 | | | X | x | 0 | | | | x |

*Added from Ms. -- LMc

| | | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 206 | 208 Gaidius minutus | 63 | | | 0 | x | 0 | | | | x |
| 207 | 209 pungens | 29 | | | 0 | 0 | ~~x~~ | 32 | | | |
| 208 | 210 tenuispinus | 53 | | | x | x | ~~x~~ | | | | |
| 209 | 211 Gaussia princeps | 30 | | | 0 | 0 | 0 | 33 | | | |
| 210 | 212 Haloptilus acutifrons | 54 | | | x | x | 0 | | | | |
| 211 | * 213 angusticeps | 55 | | | X | X | | | | | |
| 212 | * 214 bulliceps | 31 | | | | | | 34 | | | |
| 213 | 215 chierchiae | 64 | | | 0 | x | 0 | | | | |
| 214 | 216 fons | 65 | | | 0 | x | 0 | | | | x |
| 215 | 217 longicornis | 4 | X | X | x | x | x | | | | |
| 216 | * 218 mucronatus | 66 | | | | X | | | | | |
| 217 | 219 ornatus | 40 | | | x | x | x | | | | |
| 218 | * 220 oxycephalus | 56 | | | X | X | | | | | |
| 219 | 221 spiniceps | 41 | | | x | x | x | | | | |
| 220 | * 222 tenuis | 67 | | | | X | | | | | |
| 221 | 223 validus | 68 | | | 0 | x | 0 | | | | |
| 222 | *Harpacticus chelifer 224 | 32 | | | | | | 35 | | | |
| 223 | 225 Hemirhabdus grimaldii | 69 | | | 0 | x | 0 | | | | |
| 224 | 226 latus | 70 | | | 0 | x | 0 | | | | |
| 225 | *Heteramalla dubia 227 | 42 | | | X | X | X | | | | |
| 226 | 228 Heteroptilus acutilobus | 71 | | | 0 | x | 0 | | | | |
| 227 | 229 attenuatus | 72 | | | 0 | x | 0 | | | | x |
| 228 | *Heterorhabdus abyssalis 230 | 57 | | | X | X | | | | | |
| 229 | 231 clausi | 73 | | | 0 | 0 | x | | | | x |
| ~~230~~ | ~~232 longicornis~~ | 74 | | | not ~~0~~ | 0 | x | | | | |
| 231 | 232 norvegicus | 58 | | | x | x | 0 | | | | |
| 232 | 233 papilliger | 43 | | | x | x | x | | | | |
| 233 | 234 robustus | 75 | | | 0 | x | 0 | | | | x |
| 234 | 235 spinifrons | 13 | | X | x | x | x | | | | |

*Added from MS. -- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 235 236 Heterostylites longicornis | 44 | | | X | x | X | | | | |
| 236 237 * major | 76 | | | | X | | | | | |
| 237 238 Isochaeta ovalis | 77 | | | 0 | x | 0 | | | | |
| 238 239 Labidocera acuta | 14 | X | X | x | 0 | x | | | | |
| 239 240 acutifrons | 15 | X | X | x | x | 0 | | | | |
| 240 241 * agilis | 78 | X | | | | | | | | |
| 241 242 * albatrossi | 33 | | | | | | 36 | x | | |
| 242 243 detruncata | 16 | X | X | x | 0 | x | | | | |
| 243 244 * euchaeta | 34 | | | | | | 37 | | | |
| 244 245 * insolita | 35 | | | | | | 38 | | | |
| 245 246 kr̀øyeri | 59 | | X | 0 | 0 | x | | | | |
| 246 247 * laevidentata | 60 | | X | | | X | | | | |
| 247 248 lubbocki | 36 | | | 0 | 0 | 0 | 39 | | | |
| 248 249 * minuta | 79 | | | | | X | | | | |
| 249 250 nerii | 61 | | | X | x | 0 | | | | |
| 250 251 * orsinii | 37 | | | | | | 40 | | | |
| 251 252 * pavo | 38 | | | | | | 41 | | | |
| 252 253 * tenuicauda | 39 | | | | | | 42 | x | | |
| 253 254 wollastoni | 62 | | | X | x | 0 | | | | x |
| 254 255 Lepeophtheirus parviventris | 40 | | | 0 | 0 | 0 | 43 | | | x |
| 255 256 Lophothrix frontalis | 45 | | | X | x | x | | | | |
| 256 257 * humilifrons | 63 | | | X | X | | | | | |
| 257 258 latipes | 80 | | | 0 | x | 0 | | | | |
| 258 259 sarsi | 41 | | | | | | 44 | x | | |
| 259 260 Lubbockia aculeata | 64 | | | x | 0 | x | | | | |
| 260 261 * brevis | 42 | | | | | | 45 | | | |
| 261 262 squillimana | 17 | | X | x | x | x | | | | |
| 262 263 Lucicutia atlantica | 81 | | | 0 | x | 0 | | | | |
| 263 264 * clausii | 46 | | | X | X | X | | | | |


#2 Eenwetok
Lt. Col.
#1 Saipan
Chapman
Call
Todd

*Added from MS. -- LMc

| | | WILKES | DHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 264 265 Lucicutia curta | 82 | | | X | 0 | 0 | | | | x |
| 265 266 flavicornis | 76 | | | x | x | x | | | | |
| 266* 267 gemina | 43 | | | | | | 46 | | | |
| 267 268 grandis | 65 | | | X | x | 0 | | | | |
| 268 269 longicornis | 83 | | | X | 0 | 0 | | | | |
| 269* 270 longiserrata | 66 | | | | X | X | | | | |
| 270 271 lucida | 84 | | | 0 | x | 0 | | | | x |
| 271* 272 macrocera | 85 | | | | X | | | | | |
| ~~272 magna [not in MS]~~ | | | | 0 | 0 | 0 | | | | |
| 273* 273 ovalis | 44 | | | | | | 47 | | | |
| 274* 274 simulans | 86 | | | | X | | | | | |
| 275 275 tenuicauda | 87 | | | 0 | x | 0 | | | | x |
| 276 276 Macandrewella agassizi | 45 | | | 0 | 0 | 0 | 48 | x | | |
| 277 277 chelipes | 46 | | | 0 | x | 0 | 49 | | x | |
| 278 278 sewelli | 47 | | | 0 | 0 | 0 | 50 | | x | |
| 279 279 Macrosetella gracilis | 5 | X | X | x | x | x | | | | |
| ~~280 Oculosetella ocellata [Not in MS]~~ | | | | x | x | 0 | | | | |
| 281 280 Mecynocera clausi | 47 | | | x | x | x | | | | |
| 282 281 Megacalanus longicornis | 67 | | | x | x | x | | | | |
| 283 282 princeps | 18 | | X | x | x | x | | | | |
| 284 283 Mesorhabdus angustus | 88 | | | 0 | x | 0 | | | | x |
| 285 284 *Metridia atra | 48 | | | | | | 51 | | | |
| 286 285 boecki | 68 | | | 0 | x | x | | | | |
| 287 286 brevicauda | 69 | | | x | 0 | x | | | | |
| 288 287 curticauda | 89 | | | x | 0 | x | | | | |
| 289* 288 gerlachei | 49 | | | | | | 52 | | | |
| 290 289 longa | 70 | | | x | x | 0 | | | | |
| 291 290 lucens | 71 | | | x | x | 0 | | | | |
| ~~292 venusta normani [Not in MS]~~ | | | | 0 | 0 | 0 | | | | x |

*Added from MS. -- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 291 Metridia macrura | | | | | | | | | | |
| 292 Metridia princeps | 48 | | | x | x | x | | | | |
| 293 venusta | 72 | | | 0 | x | x | | | | |
| 294 *Microsetella norvegica | 49 | | X | X | | X | | | | |
| 295 rosea | 19 | X | | x | x | x | | | | |
| 297 *Monacilla semispina | 90 | | | | | X | 53 | | | |
| 298 typica *Monstrilla | 50 | | | | | | 54 | | | |
| 299 clavata | 51 | | | | | | | | | |
| 300 * leucopsis | 52 | | | | | | 55 | | | |
| 301 serricornis | 91 | | | 0 | x | 0 | | | | x |
| 296 Miracia efferata | 20 | X | X | x | x | 0 | | | | |
| 302 Mormonilla minor | 92 | | | 0 | x | 0 | | | | x |
| 303 phasma | 93 | | | 0 | 0 | x | | | | |
| 304 Nannocalanus minor | 50 | | | x | x | x | | | | |
| 305 Neocalanus gracilis | 21 | X | | x | x | x | | | | |
| 306 robustior | 51 | | | x | x | x | | | | |
| 307 tenuicornis | 22 | X | | x | x | x | | | | |
| 308 *Oculosetella gracilis | 94 | X | | | | | | | | |
| 309 *Oithona linearis | 95 | | | X | | | | | | |
| 310 plumifera | 23 | X | | x | x | x | | | | |
| 311 robusta | 96 | | | x | x | x | | | | |
| 312 similis | 73 | | | x | x | x | | | | |
| 313 spinirostris | 74 | | X | x | 0 | 0 | | | | |
| 314 Oithonina nana | 97 | | | x | 0 | 0 | | | | |
| 315 Oncaea conifera | 52 | | | x | x | x | | | | |
| 316 minuta | 75 | | | x | 0 | x | | | | |
| 317 * notopa | 98 | | | X | | | | | | |
| 318 * ornata | 99 | | | X | | | | | | |
| 319 * similis | 100 | | | X | | | | | | |
| 320 venusta | 6 | X | X | x | x | x | | | | |
| 321 Onchocalanus affinis | 101 | | | 0 | x | 0 | | | | x |

*Added from MS.-- Lmc

| | | WILKES (1) | CHALLENGER (2) | CARNEGIE (5) | MONACO (4a 4b) | SIBOGA (3) | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 322 Onchocalanus cristatus | 53 | | | X | x | x | | | | |
| 323 hirtipes | 76 | | | 0 | x | x | | | | |
| * 324 steueri | 53 | | | | | | 56 | | | |
| 325 trigonicpps | 77 | | | X | x | x | | | | |
| 326 Pachos punctatum | 77 78 | | X | x | x | x | | | | |
| 327 Pachyptilus abbreviatus | 78 | | | X | x | 0 | | | | x |
| 328 eurygnathus | 102 | | | 0 | x | 0 | | | | |
| 329 Paracalanus aculeatus | 78 | | | x | x | x | | | | |
| * 330 nanus | 103 | | | | X | | | | | |
| 331 parvus | 79 | | | x | x | x | | | | |
| 332 Paraugaptilus buchani | 104 | | | 0 | x | 0 | | | | |
| 333 Pareuchaeta barbata | 54 | | X | not x | x | x | | | | |
| 334 bisinuata | 79 | | | 0 | x | x | | | | |
| 335 bradyi | 105 | | | 0 | x | 0 | | | | x |
| * 336 californica | 106 | | | | | X | | | | |
| 337 erebi | 54 | | | 0 | 0 | 0 | 57 | | x | |
| * 338 exigua | 55 | | | | | | 56 | | | |
| 339 gracilis | 107 | | | 0 | x | 0 | | | | |
| 340 grandiremis | 108 | | | X | x | 0 | | | x | |
| 341 hanseni | 109 | | | 0 | x | 0 | | | | |
| 342 incisa | 80 | | | X | x | 0 | | | | x |
| 343 norvegica | 110 | | | not x | x | | | | | |
| 344 a rosa | 56 | | | 0 | 0 | 0 | 59 | | x | |
| 345 sarsi | 81 | | | 0 | x | x | | | | |
| 346 scotti | 111 | | | 0 | x | 0 | | | | x |
| ~~spinifera [Not in MS.]~~ Wilson had only ♀s | | | | 0 | 0 | x | | | | |
| 347 tonsa | 55 | | | X | x | x | | | | |
| 348 tumidula | 82 | | | X | x | 0 | | | | x |
| 349 *Paroithona parvula | 57 | | | | | | 60 | | | |

Tabre 11 F. 19 20 s. p. 15
— 222 p. 16

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ane i en flalö

*Added from MS. -- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 351. Phaenna spinifera | 56 | | | x | x | x | | | | |
| 350. *Pennella sp. | 58 | | | | | | 61 | | | |
| 352. *Phyllopus aequalis | 112 | | | | X | | | | X | |
| 353. bidentatus | 83 | | X | 0 | 0 | x | | | | |
| * 354. giesbrechti | 113 | | | | | X | | | X | |
| * 355. helgae | 57 | | | X | X | X | | | | |
| 356. impar | 87 | | | 0 | x | x | | | | |
| 357. muticus | 114 | | | 0 | x | 0 | | | | |
| 358 Pleuromamma abdominalis | 29 | | X | x | x | x | | | | |
| 359 borealis | 90 | | | | | | 62 | | | |
| 360 gracilis | 58 | | | x | x | x | | | | |
| * 362 quadrangulata | 115 | | | X | | | | | | |
| 361 piseki | 59 | | | 0 | x | x | 63 | | | |
| 363 robusta | 85 | | | X | x | 0 | | | | |
| 364 xiphias | 59 | | | x | x | x | | | | |
| 365 Pontella atlantica | 86 | | | x | x | x | | | | |
| * 366 cerami | 116 | | | | | X | | | | |
| 367 chierchiae | 60 | | | 0 | 0 | 0 | 64 | | | |
| 368 danae | 87 | | | x | x | X | | | | |
| * 369 denticauda | 117 | | | | | X | | | | |
| * 370 diagonalis | 61 | | | | | | 65 | X | | |
| 371 fera | 88 | X | | 0 | 0 | X | | | | |
| 372 gracilis m. sp. | 91 | | | | | | 66 | X | | |
| 373 lobiancoi | 89 | | | x | X | 0 | | | | x |
| 374 meadii | 62 | | | 0 | 0 | 0 | 67 | | | x |
| * 375 princeps | 60 | X | | X | | X | | | | |
| 376 pulvinata | 63 | | | 0 | 0 | 0 | 68 | x | | |
| 377 securifer | 25 | | X | x | X | x | | | | |
| * 378 surrecta | 64 | | | | | | 69 | x | | |
| 379 tenuiremis | 146 | | | x | x | x | | | | |
| * 380 valida | 90 | X | elephas X | | | | | | | |

*Added from MS. -- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 381 Pontellina plumata | 7 | x | x | x | x | x | | | | |
| 382 *Pontellopsis albatrossi | 65 | | | | | | 70 | x | | |
| 383 * armata | 91 | | | x | | x | | | | |
| 384 * bitumida | 66 | | | | | | 71 | x | | |
| 385 *_ brevis | 67 | | | | | | 72 | | | |
| 386 * digitata | 68 | | | | | | 73 | x | | |
| 387 * globosa | 69 | | | | | | 74 | x | | |
| 388 * laminata | 70 | | | | | | 75 | x | | |
| 389 * lubbockii | 118 | | | x | | | | | | |
| 390 perspicax | 61 | x | | x | x | x | | | | x |
| 391 regalis | 26 | x | | x | x | x | | | | |
| 392 * sinuata | 71 | | | | | | 76 | x | | |
| 393 strenua | 62 | x | x | 0 | 0 | x | | | | |
| 394 * villosa | 27 | | x | x | x | x | | | | |
| 395 Pontoptilus muticus | 119 | | | 0 | x | 0 | 77 | | | x |
| 396 *Pseudanthessius pacificus | 72 | | | | | | | x | | |
| 397 Pseudeuchaeta brevicauda | 120 | | | 0 | x | 0 | | | | |
| 398 Pseudocalanus minutus | 92 | | | x | x | x | | | | |
| 399 *Pseudochirella divaricata | 93 | | | x | x | | | | | |
| 400 obtusa | 121 | | | 0 | x | 0 | | | | x |
| ~~401 pustulifera [Not in MS]~~ | | | | ~~0~~ | ~~x~~ | ~~0~~ | | | | |
| 401 * scopularis | 122 | | | | x | | | | | |
| 402 *Pseudophaenna typica | 73 | | | | | | 78 | | | |
| 403 *Ratania flava | 74 | | | | | | 79 | | | |
| 404 Rhincalanus cornutus | 8 | x | x | x | x | x | | | | |
| 405 nasutus | 94 | | | x | x | x | | | | |
| 406 *Rpbertsonia tenuis | 75 | | | | | | 80 | | | |
| 407 *Sapphirina angusta | 9 | x | x | x | x | x | | | | |
| 408 ~~aurosetes~~ auronitens | 95 | | | ~~x~~ | x | x | | | | |

*Added from MS.-- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 409 *Sapphirina bicuspidata | 144 | | | | | X | | | | |
| 410 * gemma | 63 | X | X | | X | | | | | |
| 411 intestinata | 123 | | | 0 | 0 | x | | | | |
| 412 iris | 96 | X | | 0 | x | x | | | | |
| 413 * lactens | 76 | | | | | | 81 | | | |
| 414 * longifurca | 124 | | | | | X | | | | |
| 415 metallina | 10 | X | X | x | x | x | | | | |
| 416 nigromaculata | 64 | | | x | x | x | | | | |
| 417 opalina | 11 | X | X | x | x | x | | | | |
| 418 * ovatolanceolata | 65 | X | | X | | X | | | | |
| 419 pyrosomatis | 97 | | | x | X | 0 | | | | x |
| 420 sali | 77 | | | 0 | 0 | 0 | 82 | | | |
| 421 salpae | 125 | | | x | 0 | 0 | | | | |
| 422 scarlata | 98 | | | x | 0 | x | | | | |
| * sinuicauda | | | X | | | X | | | | |
| 423 stellata | 66 | | | X | x | x | | | | |
| 424 Scaphocalanus affinis | 126 | | | 0 | x | 0 | | | | |
| 425 * angulifrons | 127 | | | | X | | | | | |
| 426 * brevicornis | 78 | | | | | | 83 | | | |
| 427 * echinatus | 79 | | | | | | 84 | | | |
| 428 * insolitus | 80 | | | | | | 85 | x | | |
| 429 magnus | 67 | | | X | x | x | | | | |
| 430 medius | 99 | | | X | x | 0 | | | | |
| 431 robustus | 81 | | | 0 | 0 | 0 | 86 | | | x |
| 432 *~~Scaphocalanus~~ subbrevicornis | 82 | | | | | | 87 | | | |
| 433 *Scolecithricella abyssalis | 68 | | | X | X | X | | | | |
| 434 auropecten | 100 | | | x | 0 | x | | | | |
| 435 * bradyi | 69 | | | X | X | X | | | | |
| 436 dentata | 128 | | | 0 | x | 0 | | | x | x |

* Added from MS. -- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 437 *Scolecithricella minor | 70 | | X | X | X | | | | | |
| 438 * ovata | 101 | | | X | X | | | | | |
| 439 * tydemanni | 129 | | | | | X | | | | |
| 440 vittata | 130 | | | 0 | x | 0 | | | | |
| ~~= Scolecithricella bradyi~~ Scolecithrix bradyi [Not in MS] | | | | x | x | x | | | | |
| 441 Scolecithrix danae | 28 | | X | x | x | x | | | | |
| 442 *Scoleocalanus spinifer | 83 | | | | | | 88 | x | | |
| 443 *Scottocalanus farrani | 131 | | | | | X | | | | |
| 444 * helenae | 132 | | | | | X | | | | |
| 445 * longispinus | 133 | | | | | X | | | | |
| 446 persecans | 102 | | | 0 | x | x | | | | |
| 447 * securifrons | 103 | | | | X | X | | | | |
| 448 *449 * setosus | 134 | | | | | X | | | | |
| 449 * thomasi | 135 | | | | | X | | | | |
| 450 Spinocalanus abyssalis | 104 | | | x | X | 0 | | | | |
| 451 * magnus | 105 | | | X | X | | | | | |
| 452 *Stephos perplexus | 84 | | | | | | 89 | x | | |
| 453 Temora discaudata | 71 | X | | x | 0 | x | | | | |
| 454 longicornis | 106 | | | x | x | x | | | | x |
| 455 stylifera | 29 | X | X | x | X | 0 | | | | |
| 456 turbinata | 107 | X | | 0 | x | x | | | | |
| 457 *Temorites brevis | 136 | | | | X | | | | | |
| 458 *Tigriopus incertus | 85 | | | | | | 90 | | | |
| 459 *Tortanus barbatus | 108 | | X | | | X | | | | |
| 460 discaudatus | 137 | | | 0 | x | 0 | | | | |
| 461 * forcipatus | 86 | | | | | | 91 | | | |
| 462 gracilis | 109 | | X | 0 | 0 | x | | | | |
| 463 murrayi | 138 | | | 0 | x | x | | | | |
| 464 * recticauda | 87 | | | | | | 92 | | | |

*Added from MS. -- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 465 Undeuchaeta major | 72 | | | x | x | x | | | | |
| 466 plumosa | 73 | | | x | x | x | | | | |
| 467 Undinopsis similis | 139 | | | 0 | ~~x~~ | 0 | | | | x |
| 468 Undinula caroli | 10 | | | x | x | x | | | | |
| 469 darwinii | 75 see p. 74 | | X | x | x | x | | | x | |
| 470 vulgaris | 12 | X | X | x | x | x | | | | |
| 471 Valdiviella insignis | 140 | | | 0 | x | x | | | | x |
| 472 Vettoria granulosa | 11 | | | x | ~~0~~ | 0 | | | | |
| 473 Xanthocalanus greeni | 141 | | | 0 | x | 0 | | | | x |
| 474 pinguis | 142 – 18.1 | | | 0 | x | 0 | | | | x |
| ~~subagilis [Not in MS]~~ | 144+145 p. 17 | | | 0 | 0 | 0 | | | | |

474 — Pennella sp.

= 473 + Bradyanus = 474 species

Add Brady = #134 armatus = 92 = 145 check in no lists

Prepanopus #134 foreipatus = #134, = no lists = 22 92

~~#88 in none of lists~~

| | | | | | |
|---|---|---|---|---|---|
| | 0 | | 0 | X | |
| | 0 | 0 | 0 | 0 | |

12 in all(5) lists
30 in 4 lists
79 " 3 lists
114 " 2 lists
145 " 1 list
92 " 0 list.

Subtract? #58 p. 13

91 – 1 (Pennella) = 90 in 0 after Deckenbach

*Added from MS. - LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 *Acartia clausii | | | | X | X | | | | | |
| 2 danae | | | | x | x | x | | | | |
| 3 hamata | | | | | | | | x | | |
| 4 * laxa | | x | X | | | | | | | |
| 5 longiremis | | | | x | x | 0 | | | | |
| 6 negligens | | x | | x | x | x | | | | |
| 7 tumida | | | | | | | | | | |
| 8 Acrocalanus gibber | | | | x | 0 | x | | | | |
| 9 gracilis | | | | x | 0 | x | | | | |
| 10 longicornis | | | | x | 0 | x | | | | |
| 11 monachus | | | | x | 0 | x | | | | |
| 12 Aegisthus mucronatus | | | | 0 | 0 | x | | | | |
| 13 spinulosus | | | | X | | | | | | |
| 14 Aetideus armatus | | | X | x | x | x | | | | |
| 15 Amallophora typica | | | | X | x | x | | | | |
| 16 Amallothrix arcuata | | | | X | X | 0 | | | | |
| 17 curticauda | | | | 0 | x | x | | | x | |
| 18* emarginata | | | | | X | X | | | | |
| 19* falcifer | | | | | | | | | | |
| 20 gracilis | | | | 0 | [redacted] | x | | | | |
| 21 invenusta | | | | | | | | x | | |
| 22* lobata | | | | | X | | | | | |
| 23 obtusifrons | | | | X | x | x | | | | |
| 24* propinqua | | | | X | X | | | | | |
| 25*Amenophia peltata | | | | | | | | | | |
| 26 Anomalocera patersoni | | | | x | x | x | | | | |
| 27* manicauda | | | | | | | | x | | |
| 28*Arietellus aculeatus | | | | | | X | | | | |
| 29 armatus | | | | 0 | 0 | 0 | | | x | |

*Added from MS/ -- LMc

| | | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | Arietellus giesbrechti | 31 6 | | | 0 | x | 0 | | | | x |
| 31 | pavoninus | 32 7 | | | 0 | x | 0 | | | | x |
| 32 | plumifer | 33 8 | | | 0 | x | 0 | | | | x |
| 33 | setosus | 34 4 | | | x | x | x | | | | |
| 34 | simplex | 35 14 | | | 0 | x | x | | | | |
| 35 | tripartitus | 36 7 | | | | | | 9 | x | | |
| 36 | Augaptilus anceps | 37 9 | | | 0 | ~~x~~ | 0 | | | | |
| 37* | glacialis | 38 10 | | | | X | | | | | |
| 38 | longicaudatus | 39 5 | | | x | x | x | | | | |
| 39 | megalurus | 40 11 | | | 0 | x | 0 | | | | |
| 40 | Bathycalanus richardi | 41 12 | | | 0 | x | 0 | | | | |
| 41 | Bathypontia elongata | 42 13 | | | 0 | x | 0 | | | | x |
| 42* | minor | 43 14 | | | | X | | | | | |
| 44 | Brady armatus | 44 | | | | | | | | | |
| 45* | Calanoides brevicornis | 45 15 | | | | X | X | | | | |
| 44* | Calanopia americana | 46 16 | | | X | | X | | | | |
| 45* | aurivillii | 47 15 | | | | | X | | | | |
| 46 | elliptica | 48 3 | X | X | x | 0 | x | | | | |
| 47 | sarsi | 49 minor 50 16 17 8 | | | | | X | 10 | x | | |
| 48* | thompsoni | 51 17 | | | | | X | | | | |
| 49 | Calanus cristatus | 52 18 | | | x | 0 | 0 | | | | |
| 50 | finmarchicus | 53 4 | X | X | x | x | (X) | | | | |
| 51 | helgolandicus | 54 17 | | | x | x | 0 | | | | |
| 52 | hyperboreus | 55 18 | | | x | x | (X) | | | | |
| 53 | tonsus | 56 19 | | X | X | 0 | 0 | | | | |
| 54 | Caligus coryphaenae | 57 9 | | | 0 | 0 | 0 | 11 | | | x |
| 55* | latifrons | 58 10 | | | | | | 12 | | | |
| 56* | rapax | 59 11 | | | | | | 13 | | | |
| 57* | thymni | 60 12 | | | | | | 14 | | | |

*Added from MS. -- LMc

| | | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 58 61 | Calocalanus pavo | 5 | X | | x | 0 | x | | | | |
| 59 62 | styliremis | 20 | | | x | X | x | | | | |
| 60 63 | Candacia aethiopica | 6 | X | | x | x | x | | | | |
| 61 64 | armata | 6 | | X | x | x | x | | | | |
| 62 65 | bipinnata | 7 | | | x | x | x | | | | |
| 63 66 | bispinosa | 8 | | | x | x | x | | | | |
| 64 67 | curta | 6 | X | | x | x | x | | | | |
| 65 68 | elongata | 19 | | | 0 | x | 0 | | | | |
| 66 69 | longimana | 9 | | | x | x | x | | | | |
| 67 70 | norvegica | 20 | | | x | 0 | 0 | | | | |
| 68 71 | pachydactyla | 1 | X | X | x | x | x | | | | |
| 69 72 | simplex | 10 | | | x | x | x | | | | |
| 70 73 | tenuimana | 21 | | | x | not x | x | | | | |
| 71* 74 | turgida | 13 | | | | | | 15 | x | | |
| 72 75 | varicans | 22 | | | x | x | x | | | | |
| 73 76 | Canthocalanus pauper | 23 | | | x | 0 | x | | | | |
| 74 77 | Centraugaptilus cucullatus | 21 | | | 0 | x | 0 | | | | x |
| 75 78 | horridus | 22 | | | 0 | x | 0 | | | | x |
| 76 79 | rattrayi | 24 | | | x | x | 0 | | | | x |
| 77 80 | Centropages brachiatus | 11 | X | X | 0 | X | 0 | | | | x |
| 78 81 | bradyi | 23 unlike Brady | | X | 0 | 0 | 0 | | | | |
| 79 82 | calininus | 12 | X | | x | 0 | x | | | | |
| 80 83 | furcatus | 7 | X | X | x | 0 | x | | | | |
| 81* 84 | gracilis | 13 | X | | | X | X | | | | |
| 82 85 | hamatus | 25 | | | x | x | 0 | | | | |
| 83 86 | krøyeri | 24 | | | 0 | x | 0 | | | | x |
| 84 87 | orsinii | 25 | | | 0 | 0 | x | | | | |
| 85 88 | typicus | 26 | | | x | x | 0 | | | | |
| 86 89 | violaceus | 27 | | | x | x | 0 | | | | |

*Added from MS. -- LMc

| | | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | Cephalophanes refulgens | 90 26 | | | 0 | x | 0 | | | | x |
| 90 | *Chiridiella macrodactyla | 91 28 | | | | X | X | | | | |
| 91 | Chiridius armatus | 92 27 | | | not | x | x | | | | x |
| 92 * | gracilis | 93 28 | | | | | X | | | | |
| 93 * | obtusifrons | 94 29 | | | | | X | | | | |
| 94 | Chirundina streetsi | 95 27 | | | 0 | x | x | | | | |
| 95 | Clausocalanus arcuicornis | 96 8 | X | | x | x | x | | | | |
| 96 | furcatus | 97 30 | | X | x | x | x | | | | |
| 97 | Clytemnestra rostrata | 98 14 | | X | x | 0 | x | | | | |
| 98 | scutellata | 99 15 | X | | x | 0 | x | | | | |
| 99 | Conaea gracilis | 100 9 | X | | x | x | x | | | | |
| 100 | Copilia denticulata | 101 30 | | | x | 0 | 0 | | | | |
| 101 | mirabilis | 102 10 | X | X | x | 0 | x | | | | |
| 102 | quadrata | 103 16 | X | | x | 0 | x | | | | |
| 103 | vitrea | 104 30 | | | x | 0 | x | | | | |
| 104 | *Cornucalanus chelifer | 105 31 | | | | X | | | | | |
| 105 | Corycaeus agilis | 106 31 | X | | x | 0 | 0 | | | | |
| 106 | catus | 107 32 | | | x | 0 | 0 | | | | |
| 107 | clausi | 108 33 | | | x | 0 | 0 | | | | |
| 108* | crassiusculus | 109 32 | X | | X | | | | | | |
| 109 | dubius | 110 34 | | | x | 0 | 0 | | | | |
| 110 | flaccus | 111 17 | | | x | x | X | | | | |
| 111 | furcifer | 112 18 | | | x | x | x | | | | |
| 112 | giesbrechti | 113 35 | | | x | 0 | 0 | | | | |
| 113 | latus | 114 33 | X | | 0 | x | 0 | | | | |
| 114 | lautus | 115 19 | X | | x | x | 0 | | | | |
| 115 | limbatus | 116 20 | | X | x | x | 0 | | | | |
| 116 | longistylis | 117 21 | X | | x | 0 | x | | | | |
| 117* | lubbockii | 118 34 | | | X | | X | | | | |

*Added from MS. -- LMc

| | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|
| 118 119 | Corycaeus obtusus [not in MS] | X | X | O | O | x | | | | |
| 119 119 | ovalis 35 | | | x | x | O | | | | |
| 120 120 * | pacificus 36 | | | X | | | | | | |
| 121 121 * | pumilus 37 | | | X | | | | | | |
| 122 122 * | robustus 36 | | | X | | X | | | | |
| 123 123 | speciosus (2) | X | X | x | x | x | | | | |
| 124 124 * | subtilis (14) | | | | | | 16 | | | |
| 125 125 | typicus 37 | | | x | x | O | | | | |
| 126 | venustus [not in MS] | X | X | O | O | x | | | | |
| 127 126 * | vitreus 38 | X | | | | | | | | |
| 128 127 | Cryptopontius brevifurcatus 39? | | | O | x ? | O | | | | |
| 129 128 | *Cymbasoma longispinosum (15) | | | | | | 17 | | | |
| 130 129 * | rigidum (16) | | | | | | 18 | | | |
| 131 130 | Dactylopusia vulgaris (17) | | | O | O | O | 19 | | | |
| 132 131 | *Disseta maxima (18) | | | | | | 20 | | | |
| 133 132 | palumboi 38 | | | O | x | x | | | | |
| 134 133 | scopularis 39 | | X | | | X | | x | | |
| 134 | Drepanopus forcipatus | | | | | | | | | |
| 135 135 | *Dysgamus ariommus (19) | | | | | | 21 22 | | | |
| 136 136 | pacificus (20) | | | | | | 23 | x | | |
| 137 137 | Ectinosoma curticorne (21) | | | O | O | O | 24 | | | x |
| 138 138 | Euaetideus bradyi 40 | | | x | (x) | x | | | x | |
| 139 139 | giesbrechti 22 | | | X | x | x | | | | |
| 140 140 | Euaugaptilus angustus 40 | | | O | X | O | | | | x |
| 141 141 | bullifer 41 | | | O | x | x | | | | |
| 142 142 * | elongatus 41 | | | | X | | | | | |
| 143 143 | facilis 42 | | | O | x | O | | | | x |
| 144 144 | filigerus 23 | | | X | x | X | | | | |
| 145 145 | gibbus 43 | | | O | x | O | | | | |
| 146 146 | hecticus 143 | | | O | O | X | | | | |

*Added from MS. -- LMc

| | | | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 147 | 147 Euaugaptilus laticeps | 44 | | | 0 | x | 0 | | | | |
| 148 | 148 latifrons | 45 | | | 0 | x | 0 | | | | x |
| 149 | 149 longimanus | 46 | | | 0 | x | 0 | | | | x |
| 150 | 150 magnus | 47 | | | 0 | x | 0 | | | | |
| 151 | 151 nodifrons | 48 | | | 0 | x | 0 | | | | |
| 152 | 152 oblongus | 49 | | | 0 | x | 0 | | | | |
| 153 | 153 palumboi | 42 | | | 0 | x | ~~0~~ | | | | |
| 154 | 154 rigidus | 50 | | | 0 | x | 0 | | | | |
| 155 | 155 squamatus | 51 | | | 0 | x | 0 | | | | |
| 156 | 156 Eucalanus attenuatus | 11 | x | x | x | x | | | | | |
| 157 | 157 * bungii | 22 | | | | | | 25 | | | |
| 158 | 158 crassus | 24 | | | x | x | x | | | | |
| 159 | 159 elongatus | 25 | x | | x | x | 0 | | | | |
| 160 | 160 monachus | 26 | | | x | x | x | | | | |
| 161 | 161 mucronatus | 27 | | | ~~x~~ | x | ~~0~~ | | | | |
| 162 | 162 muticus | 23 | | | | | | 26 | | x | |
| 163 | 163 pileatus | 52/53 | | | | | x | | | | |
| 164 | 164 subcrassus | | | | 0 | 0 | x | | | | |
| 165 | 165 subtenuis | 28 | | | ~~0~~ | x | x | | | | |
| 165 | 166 Euchaeta acuta | 29 | | | x | x | x | | | | |
| 166 | 167 concinna | 13 | x | | 0 | 0 | x | | | | |
| 167 | 168 * hebes | 43 | | | x | x | | | | | |
| 168 | 169 longicornis | 54 | | | 0 | 0 | x | | | | |
| 169 | 170 marina | 3 | x | x | x | x | x | | | | |
| 170 | 171 media | 55 → 14 | | | | | x | | | | |
| | 172 pubera | | | | 0 | x | 0 | | | | |
| 171 | 173 spinosa | 12 | | | x | x | 0 | | | | |
| 172 | 174 wolfendeni | 56 | | | 0 | x | ~~0~~ | | | | |
| 173 | 175 Euchirella bella | 59 | | | 0 | 0 | ~~0~~ | | | x | |
| 174 | 176 bitumida | 58 | | | 0 | x | 0 | | | | x |
| 175 | 177 brevis | 44 | | | x | x | 0 | | | | |

*Added from MS. - LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| *Acartia clausii | | | | | | | | | |
| danae | | | x | x | x | | | | |
| hamata | | | | | | | x | | |
| * laxa | | | | | | | | | |
| longiremis | | | x | x | 0 | | | | |
| negligens | | | x | x | x | | | | |
| * tumida | | | | | | | | | |
| Acrocalanus gibber | | | x | 0 | x | | | | |
| gracilis | | | x | 0 | x | | | | |
| longicornis | | | x | 0 | x | | | | |
| monachus | | | x | 0 | x | | | | |
| Aegisthus mucronatus | | | 0 | 0 | x | | | | |
| * spinulosus | | | | | | | | | |
| Aetideus armatus | | | x | x | x | | | | |
| Amallophora typica | | | 0 | x | x | | | | |
| Amallothrix arcuata | | | 0 | 0 | 0 | | | | |
| curticauda | | | 0 | x | x | | | x | |
| * emarginata | | | | | | | | | |
| * falcifer | | | | | | | | | |
| gracilis | | | 0 | x | x | | | | |
| invenusta | | | | | | | x | | |
| * lobata | | | | | | | | | |
| obtusifrons | | | 0 | x | x | | | | |
| * propinqua | | | | | | | | | |
| *Amenophia peltata | | | | | | | | | |
| Anomalocera patersoni | | | x | x | x | | | | |
| * manicauda | | | | | | | x | | |
| *Arietellus aculeatus | | | | | | | | | |
| armatus | | | 0 | 0 | 0 | | | x | |

*Added from MS/ -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Arietellus giesbrechti | | | 0 | x | 0 | | | | x |
| pavoninus | | | 0 | x | 0 | | | | x |
| plumifer | | | 0 | x | 0 | | | | x |
| setosus | | | x | x | x | | | | |
| simplex | | | 0 | x | x | | | | |
| tripartitus | | | | | | | x | | |
| Augaptilus anceps | | | 0 | x | 0 | | | | |
| * glacialis | | | | | | | | | |
| longicaudatus | | | x | x | x | | | | |
| megalurus | | | 0 | x | 0 | | | | |
| Bathycalanus richardi | | | 0 | x | 0 | | | | |
| Bathypontia elongata | | | 0 | x | 0 | | | | x |
| * minor | | | | | | | | | |
| * Calanoides brevicornis | | | | | | | | | |
| *Calanopia americana | | | | | | | | | |
| * aurivillii | | | | | | | | | |
| elliptica | | | x | 0 | x | | | | |
| sarsi | | | | | | | x | | |
| * thompsoni | | | | | | | | | |
| Calanus cristatus | | | x | 0 | 0 | | | | |
| finmarchicus | | | x | x | x | | | | |
| helgolandicus | | | x | x | 0 | | | | |
| hyperboreus | | | x | x | x | | | | |
| tonsus | | | 0 | 0 | 0 | | | | |
| Caligus coryphaenae | | | 0 | 0 | 0 | | | | x |
| * latifrons | | | | | | | | | |
| * rapax | | | | | | | | | |
| * thymni | | | | | | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Calocalanus pavo | | | x | 0 | x | | | | |
| styliremis | | | x | 0 | x | | | | |
| Candacia aethiopica | | | x | x | x | | | | |
| armata | | | x | x | x | | | | |
| bipinnata | | | x | x | x | | | | |
| bispinosa | | | x | x | x | | | | |
| curta | | | x | x | x | | | | |
| elongata | | | 0 | x | 0 | | | | |
| longimana | | | x | x | x | | | | |
| norvegica | | | x | 0 | 0 | | | | |
| pachydactyla | | | x | x | x | | | | |
| simplex | | | x | x | x | | | | |
| tenuimana | | | x | x | x | | | | |
| * turgida | | | | | | x | | | |
| varicans | | | x | x | x | | | | |
| Canthocalanus pauper | | | x | 0 | x | | | | |
| Centraugaptilus cucullatus | | | 0 | x | 0 | | | | x |
| horridus | | | 0 | x | 0 | | | | x |
| rattrayi | | | x | x | 0 | | | | x |
| Centropages brachiatus | | | 0 | 0 | 0 | | | | x |
| bradyi | | | 0 | 0 | 0 | | | | |
| calininus | | | x | 0 | x | | | | |
| furcatus | | | x | 0 | x | | | | |
| * gracilis | | | | | | | | | |
| hamatus | | | x | x | 0 | | | | |
| krøyeri | | | 0 | x | 0 | | | | x |
| orsinii | | | 0 | 0 | x | | | | |
| typicus | | | x | x | 0 | | | | |
| violaceus | | | x | x | 0 | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Cephalophanes refulgens | | | 0 | x | 0 | | | | x |
| *Chiridiella macrodactyla | | | | | | | | | |
| Chiridius armatus | | | x | x | x | | | | x |
| * gracilis | | | | | | | | | |
| * obtusifrons | | | | | | | | | |
| Chirundina streetsi | | | 0 | x | x | | | | |
| Chauscalanus arcuicornis | | | x | x | x | | | | |
| furcatus | | | x | x | x | | | | |
| Clytemnestra rostrata | | | x | 0 | x | | | | |
| scutellata | | | x | 0 | x | | | | |
| Conaea gracilis | | | x | x | x | | | | |
| Copilia denticulata | | | x | 0 | 0 | | | | |
| mirabilis | | | x | 0 | x | | | | |
| quadrata | | | x | 0 | x | | | | |
| vitrea | | | x | 0 | x | | | | |
| *Cornucalanus chelifer | | | | | | | | | |
| Corycaeus agilis | | | x | 0 | 0 | | | | |
| catus | | | x | 0 | 0 | | | | |
| clausi | | | x | 0 | 0 | | | | |
| * crassiusculus | | | | | | | | | |
| dubius | | | x | 0 | 0 | | | | |
| flaccus | | | x | x | 0 | | | | |
| furcifer | | | x | x | x | | | | |
| giesbrechti | | | x | 0 | 0 | | | | |
| latus | | | 0 | x | 0 | | | | |
| lautus | | | x | x | 0 | | | | |
| limbatus | | | x | x | 0 | | | | |
| longistylis | | | x | 0 | x | | | | |
| * lubbocki | | | | | | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Corycaeus obtusus [not in MS] | | | O | O | x | | | | |
| ovalis | | | x | x | O | | | | |
| * pacificus | | | | | | | | | |
| * pumilus | | | | | | | | | |
| * robustus | | | | | | | | | |
| speciosus | | | x | x | x | | | | |
| * subtilis | | | | | | | | | |
| typicus | | | x | x | O | | | | |
| venustus [not in MS] | | | O | O | x | | | | |
| * vitreus | | | | | | | | | |
| Cryptopontius brevifurcatus | | | O | x | O | | | | |
| *Cymbasoma longispinosum | | | | | | | | | |
| * rigidum | | | | | | | | | |
| Dactylopusia vulgaris | | | O | O | O | | | | |
| *Disseta maxima | | | | | | | | | |
| palomboi | | | O | x | x | | | | |
| scopularis | | | | | | | x | | |
| *Dysgamus ariommus | | | | | | | | | |
| pacificus | | | | | | | x | | |
| Ectinosoma curticorne | | | O | O | O | | | | x |
| Euaetideus bradyi | | | x | x | x | | | x | |
| giesbrechti | | | | x | x | | | | |
| Euaugaptilus angustus | | | O | O | O | | | | x |
| bullifer | | | O | x | x | | | | |
| * elongatus | | | | | | | | | |
| facilis | | | O | x | O | | | | x |
| filigerus | | | O | x | O | | | | |
| gibbus | | | O | x | O | | | | |
| hecticus | | | O | O | O | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Euaugaptilus laticeps | | | 0 | x | 0 | | | | |
| latifrons | | | 0 | x | 0 | | | | x |
| longimanus | | | 0 | x | 0 | | | | x |
| magnus | | | 0 | x | 0 | | | | |
| nodifrons | | | 0 | x | 0 | | | | |
| oblongus | | | 0 | x | 0 | | | | |
| palumboi | | | 0 | x | 0 | | | | |
| rigidus | | | 0 | x | 0 | | | | |
| squamatus | | | 0 | x | 0 | | | | |
| Eucalanus attenuatus | | | x | x | x | | | | |
| * bungii | | | | | | | | | |
| crassus | | | x | x | x | | | | |
| elongatus | | | x | x | 0 | | | | |
| monachus | | | x | x | x | | | | |
| mucronatus | | | 0 | x | 0 | | | | |
| muticus | | | | | | | x | | |
| subcrassus | | | 0 | 0 | x | | | | |
| subtenuis | | | 0 | x | x | | | | |
| Euchaeta acuta | | | x | x | x | | | | |
| concinna | | | 0 | 0 | x | | | | |
| * hebes | | | | | | | | | |
| longicornis | | | 0 | 0 | x | | | | |
| marina | | | x | x | x | | | | |
| pubera | | | 0 | x | 0 | | | | |
| spinosa | | | x | x | 0 | | | | |
| wolfendeni | | | 0 | x | 0 | | | | |
| Euchirella bella | | | 0 | 0 | 0 | | | x | |
| bitumida | | | 0 | x | 0 | | | | x |
| brevis | | | x | x | 0 | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Euchirella curticauda | | | x | x | x | | | | |
| galeata | | | 0 | x | x | | | x | |
| grandicornis | | | | | | | x | | |
| intermedia | | | x | x | 0 | | | | x |
| * maxima | | | | | | | | | |
| messinensis | | | x | x | x | | | | |
| pulchra | | | x | x | x | | | | |
| rostrata | | | x | x | 0 | | | | |
| venusta | | | 0 | x | 0 | | | | |
| Farranula carinata | | | x | x | x | | | | |
| * concinna | | | | | | | | | |
| curta | | | x | 0 | 0 | | | | |
| gibbula | | | x | 0 | x | | | | |
| gracilis | | | x | x | 0 | | | | |
| rostrata | | | x | x | 0 | | | | |
| Gaetanus antarcticus | | | 0 | 0 | 0 | | | | x |
| armiger | | | x | x | x | | | | |
| curvispinus | | | | | | | x | | |
| inermis | | | 0 | x | 0 | | | | |
| kruppii | | | 0 | x | 0 | | | | |
| latifrons | | | x | x | x | | | | |
| microcanthus | | | | | | | x | | |
| miles | | | x | x | x | | | | |
| minor | | | x | x | x | | | | |
| pileatus | | | 0 | x | 0 | | | | |
| recticornis | | | 0 | 0 | 0 | | | | x |
| Gaidius affinis | | | x | x | x | | | | |
| brevicaudatus | | | 0 | x | 0 | | | | x |
| brevispinus | | | 0 | x | 0 | | | | x |

*Added from Ms. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Gaidius minutus | | | 0 | x | 0 | | | | x |
| pungens | | | 0 | 0 | x | | | | |
| tenuispinus | | | x | x | x | | | | |
| Gaussia princeps | | | 0 | 0 | 0 | | | | |
| Haloptilus acutifrons | | | x | x | 0 | | | | |
| * angusticeps | | | | | | | | | |
| * bulliceps | | | | | | | | | |
| chierchiae | | | 0 | x | 0 | | | | |
| fons | | | 0 | x | 0 | | | | x |
| longicornis | | | x | x | x | | | | |
| * mucronatus | | | | | | | | | |
| ornatus | | | x | x | x | | | | |
| * oxycephalus | | | | | | | | | |
| spiniceps | | | x | x | x | | | | |
| * tenuis | | | | | | | | | |
| validus | | | 0 | x | 0 | | | | |
| *Harpacticus chelifer | | | | | | | | | |
| Hemirhabdus grimaldii | | | 0 | x | 0 | | | | |
| latus | | | 0 | x | 0 | | | | |
| *Heteramalla dubia | | | | | | | | | |
| Heteroptilus acutilobus | | | 0 | x | 0 | | | | |
| attenuatus | | | 0 | x | 0 | | | | x |
| *Heterorhabdus abyssalis | | | | | | | | | |
| clausi | | | 0 | 0 | x | | | | x |
| longicornis | | | x | 0 | x | | | | |
| norvegicus | | | x | x | 0 | | | | |
| papilliger | | | x | x | x | | | | |
| robustus | | | 0 | x | 0 | | | | x |
| spinifrons | | | x | x | x | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Heterostylitès longicornis | | | O | x | O | | | | |
| * major | | | | | | | | | |
| Isochaeta ovalis | | | O | x | O | | | | |
| Labidocera acuta | | | x | O | x | | | | |
| acutifrons | | | x | x | O | | | | |
| * agilis | | | | | | | | | |
| * albatrossi | | | | | | | x | | |
| detruncata | | | x | O | x | | | | |
| * euchaeta | | | | | | | | | |
| * insolita | | | | | | | | | |
| krøyeri | | | O | O | x | | | | |
| * laevidentata | | | | | | | | | |
| lubbocki | | | O | O | O | | | | |
| * minuta | | | | | | | | | |
| nerii | | | O | x | O | | | | |
| * orsinii | | | | | | | | | |
| * pavo | | | | | | | | | |
| * tenuicauda | | | | | | | x | | |
| wollastoni | | | O | x | O | | | | x |
| Lepeophtheirus parviventris | | | O | O | O | | | | x |
| Lophothrix frontalis | | | O | x | x | | | | |
| * humilifrons | | | | | | | | | |
| latipes | | | O | x | O | | | | |
| sarsi | | | | | | | x | | |
| Lubbockia aculeata | | | x | O | x | | | | |
| * brevis | | | | | | | | | |
| squillimana | | | x | x | x | | | | |
| Lucicutia atlantica | | | O | x | O | | | | |
| * clausii | | | | | | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Lucicutia curta | | | O | O | O | | | | x |
| flavicornis | | | x | x | x | | | | |
| * gemina | | | | | | | | | |
| grandis | | | O | x | O | | | | |
| longicornis | | | O | O | O | | | | |
| * longiserrata | | | | | | | | | |
| lucida | | | O | x | O | | | | x |
| * macrocera | | | | | | | | | |
| magna [not in MS] | | | O | O | O | | | | |
| * ovalis | | | | | | | | | |
| * simulans | | | | | | | | | |
| tenuicauda | | | O | x | O | | | | x |
| Macandrewella agassizi | | | O | O | O | | x | | |
| chelipes | | | O | x | O | | | x | |
| sewelli | | | O | O | O | | | x | |
| Macrosetella gracilis | | | x | x | x | | | | |
| oculata [Not in MS] | | | x | x | O | | | | |
| Mecynocera clausi | | | x | x | x | | | | |
| Megacalanus longicornis | | | x | x | x | | | | |
| princeps | | | x | x | x | | | | |
| Mesorhabdus angustus | | | O | x | O | | | | x |
| *Metridia atra | | | | | | | | | |
| boecki | | | O | x | x | | | | |
| brevicauda | | | x | O | x | | | | |
| curticauda | | | x | O | x | | | | |
| * gerlachei | | | | | | | | | |
| longa | | | x | x | O | | | | |
| lucens | | | x | x | O | | | | |
| normani [Not in MS] | | | O | O | O | | | | x |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Metridia princeps | | | x | x | x | | | | |
| venusta | | | 0 | x | x | | | | |
| *Microsetella norvegica | | | | | | | | | |
| rosea | | | x | x | x | | | | |
| *Monacilla semispina | | | | | | | | | |
| *Monstrilla clavata | | | | | | | | | |
| * leucopsis | | | | | | | | | |
| serricornis | | | 0 | x | 0 | | | | x |
| Miracia efferata | | | x | x | 0 | | | | |
| Mormonilla minor | | | 0 | x | 0 | | | | x |
| phasma | | | 0 | 0 | x | | | | |
| Nannocalanus minor | | | x | x | x | | | | |
| Neocalanus gracilis | | | x | x | x | | | | |
| robustior | | | x | x | x | | | | |
| tenuicornis | | | x | x | x | | | | |
| *Oculosetella gracilis | | | | | | | | | |
| *Oithona linearis | | | | | | | | | |
| plumifera | | | x | x | x | | | | |
| robusta | | | x | x | x | | | | |
| similis | | | x | x | x | | | | |
| spinirostris | | | x | 0 | 0 | | | | |
| Oithonina nana | | | x | 0 | 0 | | | | |
| Oncaea conifera | | | x | x | 0 | | | | |
| minuta | | | x | 0 | x | | | | |
| * notopa | | | | | | | | | |
| * ornata | | | | | | | | | |
| * similis | | | | | | | | | |
| venusta | | | x | x | x | | | | |
| Onchocalanus affinis | | | 0 | x | 0 | | | | x |

*Added from MS.-- Lmc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Onchocalanus cristatus | | | O | x | x | | | | |
| hirtipes | | | O | x | x | | | | |
| * steueri | | | | | | | | | |
| trigonicepps | | | O | x | x | | | | |
| Pachos punctatum | | | x | x | x | | | | |
| Pachyptilus abbreviatus | | | O | x | O | | | | x |
| eurygnathus | | | O | x | O | | | | |
| Paracalanus aculeatus | | | x | x | x | | | | |
| * nanus | | | | | | | | | |
| parvus | | | x | x | x | | | | |
| Paraugaptilus buchani | | | O | x | O | | | | |
| Pareuchaeta barbata | | | x | x | x | | | | |
| bisinuata | | | O | x | x | | | | |
| bradyi | | | O | x | O | | | | x |
| * californica | | | | | | | | | |
| erebi | | | O | O | O | | | x | |
| * exigua | | | | | | | | | |
| gracilis | | | O | x | O | | | | |
| grandiremis | | | O | x | O | | | x | |
| hanseni | | | O | x | O | | | | |
| incisa | | | O | x | O | | | x | |
| norvegica | | | x | x | x | | | | |
| rosa | | | O | O | O | | | x | |
| sarsi | | | O | x | x | | | | |
| scotti | | | O | x | O | | | | x |
| spinifera [Not in MS.] | | | O | O | x | | | | |
| tonsa | | | O | x | x | | | | |
| tumidula | | | O | x | O | | | | x |

*Paroithona parvula

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | STROGA | ALBATROSS | N. species | New sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Phaenna spinifera | | | x | x | x | | | | |
| *Pennella sp. | | | | | | | | | |
| *Phyllopus aequalis | | | | | | | | | |
| bidentatus | | | 0 | 0 | x | | | | |
| * giesbrechti | | | | | | | | | |
| * helgae | | | | | | | | | |
| impar | | | 0 | x | x | | | | |
| muticus | | | 0 | x | 0 | | | | |
| Pleuromamma abdominalis | | | x | x | x | | | | |
| gracilis | | | x | x | x | | | | |
| * quadrangulata | | | | | | | | | |
| piseki | | | 0 | x | x | | | | |
| robusta | | | 0 | x | 0 | | | | |
| xiphias | | | x | x | x | | | | |
| Pontella atlantica | | | x | x | x | | | | |
| * cerami | | | | | | | | | |
| chierchiae | | | 0 | 0 | 0 | | | | |
| danae | | | x | x | 0 | | | | |
| * denticauda | | | | | | | | | |
| * diagonalis | | | | | | | | | |
| fera | | | 0 | 0 | 0 | | | | |
| lobiancoi | | | x | 0 | 0 | | | | x |
| meadii | | | 0 | 0 | 0 | | | | x |
| * princeps | | | | | | | | | |
| pulvinata | | | 0 | 0 | 0 | | x | | |
| securifer | | | x | 0 | x | | | | |
| * surrecta | | | | | | | x | | |
| temuiremis | | | x | x | x | | | | |
| * valida | | | | | | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Pontellina plumata | | | x | x | x | | | | |
| *Pontellopsis albatrossi | | | | | | | x | | |
| * armata | | | | | | | | | |
| * bitumida | | | | | | | x | | |
| *_ brevis | | | | | | | | | |
| * digitata | | | | | | | x | | |
| * globosa | | | | | | | x | | |
| * laminata | | | | | | | x | | |
| * lubbocki | | | | | | | | | |
| perspicax | | | 0 | x | x | | | | x |
| regalis | | | x | x | x | | | | |
| * sinuata | | | | | | | x | | |
| strenua | | | 0 | 0 | x | | | | |
| * villosa | | | | | | | | | |
| Pontoptilus muticus | | | 0 | x | 0 | | | | x |
| *Pseudanthessius pacificus | | | | | | | | | |
| Pseudeuchaeta brevicauda | | | 0 | x | 0 | | | | |
| Pseudocalanus minutus | | | x | x | x | | | | |
| *Pseudochirella divaricata | | | | | | | | | |
| obtusa | | | 0 | x | 0 | | | | x |
| pustulifera [Not in MS] | | | 0 | x | 0 | | | | |
| * scopularis | | | | | | | | | |
| *Pseudophaenna typica | | | | | | | | | |
| *Ratania flava | | | | | | | | | |
| Rhincalanus cornutus | | | x | x | x | | | | |
| nasutus | | | x | x | x | | | | |
| *Rpbertsonia tenuis | | | | | | | | | |
| *Sapphirina angusta | | | | | | | | | |
| ~~auronectes~~ aurantia | | | x | x | x | | | | |

*Added from MS.— LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SINOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| *Sapphirina bicuspidata | | | | | | | | | |
| * gemma | | | | | | | | | |
| intestinata | | | O | O | x | | | | |
| iris | | | O | x | x | | | | |
| * lactens | | | | | | | | | |
| * longifurca | | | | | | | | | |
| metallina | | | x | x | x | | | | |
| nigromaculata | | | x | x | x | | | | |
| opalina | | | x | x | x | | | | |
| * ovatolanceolata | | | | | | | | | |
| pyrosomatis | | | x | O | O | | | | x |
| sali | | | O | O | O | | | | |
| salpae | | | x | O | O | | | | |
| scarlata | | | x | O | x | | | | |
| * sinuicauda | | | | | | | | | |
| stellata | | | O | x | x | | | | |
| Scaphocalanus affinis | | | O | x | O | | | | |
| * angulifrons | | | | | | | | | |
| * brevicornis | | | | | | | | | |
| * echinatus | | | | | | | | | |
| * insolitus | | | | | | | x | | |
| magnus | | | O | x | x | | | | |
| medius | | | O | x | O | | | | |
| robustus | | | O | O | O | | | | x |
| *Scaphocalanus subbrevicornis | | | | | | | | | |
| *Scolecithricella abyssalis | | | | | | | | | |
| auropecten | | | x | O | x | | | | |
| * bradyi | | | | | | | | | |
| dentata | | | O | x | O | | | x | x |

* Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| *Scolecithricella minor | | | | | | | | | |
| * ovata | | | | | | | | | |
| * tydemanni | | | | | | | | | |
| vittata | | | 0 | x | 0 | | | | |
| Scolecithrix bradyi [Not in MS] | | | x | x | x | | | | |
| danae | | | x | x | x | | | | |
| *Scolecocalanus spinifer | | | | | | | x | | |
| *Scottocalanus farrani | | | | | | | | | |
| * helenae | | | | | | | | | |
| * longispinus | | | | | | | | | |
| persecans | | | 0 | x | x | | | | |
| * securifrons | | | | | | | | | |
| * setosus | | | | | | | | | |
| * thomasi | | | | | | | | | |
| Spinocalanus abyssalis | | | x | 0 | 0 | | | | |
| * magnus | | | | | | | | | |
| *Stephos perplexus | | | | | | | x | | |
| Temora discaudata | | | x | 0 | x | | | | |
| longicornis | | | x | x | x | | | | x |
| stylifer | | | x | 0 | 0 | | | | |
| turbinata | | | 0 | x | x | | | | |
| *Temorites brevis | | | | | | | | | |
| *Tigriopus incertus | | | | | | | | | |
| *Tortanus barbatus | | | | | | | | | |
| discaudatus | | | 0 | x | 0 | | | | |
| * forcipatus | | | | | | | | | |
| gracilis | | | 0 | 0 | x | | | | |
| murrayi | | | 0 | x | x | | | | |
| * recticauda | | | | | | | | | |

*Added from MS. -- LMc

| | WILKES | CHALLENGER | CARNEGIE | MONACO | SIBOGA | ALBATROSS | N. species | N. sex | N. loc. |
|---|---|---|---|---|---|---|---|---|---|
| Undeuchaeta major | | | x | x | x | | | | |
| plumosa | | | x | x | x | | | | |
| Undinopsis similis | | | 0 | 0 | 0 | | | | x |
| Undinula ceroli | | | x | x | x | | | | |
| darwinii | | | x | x | x | | | x | |
| vulgaris | | | x | x | x | | | | |
| Valdiviella insignis | | | 0 | x | x | | | | x |
| Vettoria granulosa | | | x | 0 | 0 | | | | |
| Xanthocalanus greeni | | | 0 | x | 0 | | | | x |
| pinguis | | | 0 | x | 0 | | | | x |
| subagilis [Not in MS] | | | 0 | 0 | 0 | | | | |

Copy

Wilson's letter
Nov. 30 1939

LIST OF CRUSTACEA NOT COPEPODS.

Sta. 51 Aug. 10, 1895 56 15' N. 172 35' W.
8252 Charlotte Harbor "Boca Grande" April 27, 1915.
Sta. 2396 Gulf of Mexico March 13, 1885. Develop't Stages of Copepods.
Sta. 5134 Feb. 7, 1905
Sta. 408 Sept. 2, 1896.
Sta. 5388 March 11, 1909
Sta. 5494 Aug. 2, 1909.
Sta. 5228 May 5, 1908.
Sta. 5195 April 3, 1908
Sta. 2396 Gulf of Mexico March 13, 1885. Other crustacea.
Sta. 5319 Nov. 5, 1908.
Sta. 5422 March 30,1909
Sta. 5230 May 7, 1908
Sta, 5352 Dec. 30, 1908.
Sandakan anchorage Feb. 29, 1908.
Sta. 5390 March 12, 1909.
Sta. 4009 Hawaiian Explorations, 1902. 2nd haul.
Sta. 48. Aug. 7, 1895. Ostracods and other crustacea.
Sta. 5451 June 5, 1909
Sta. 3980 Hawaiian Explorations, 1902.
Sta. 27 April 4, 1888.
Sta. 4009 Other Crustacea, 4th haul.
Between 5133 & 5134 Caldera Bay, Mindanao Feb. 6, 1908. Ostracods & other crustacea.

Sta. 2396
Sta. 48 Small fish.
Sta. 4009 Hawaiian Islands
Sta. 3900 Hawaiian Islands
Between 5133- 5134 Caldera Bay anchorage. Development stages.
Sandakan Anchorage Philippines, development stages.

Sta. 5240 Ostracods , small vial
Sta. 4009 Water Strider, small vial
Caldera Bay Anchorage Diastylis ? small vial.
Sta. 5155 Medusa ,small vial.

BOX A

Copy

Nibron Bitter
Nov. 30 1939

LIST OF CHAETAGNA NOT COPEPODS

| | | | |
|---|---|---|---|
| Sta. | 5633 | Dec. 2, 1909. | |
| Sta. | 5190 | April 1, 1908. | |
| Sta. | 5434 | April 8, 1909 | Crustacea & small fish. |
| Sta. | 5391 | March 13, 1909. | |
| Sta. | 5225 | May 4, 1908 | Crustacea & small fish. |
| Sta. | 5209 | April 14, 1908 | |
| Sta. | 5185 | March 30, 1908. | Ostracods. |
| Sta. | 5287 | July 20, 1908 | |
| Sta. | 4037 | Hawaii, 1902 | |
| Sta. | 5224 | April 24, 1908 | |
| Sta. | 5223 | April 24, 1908 | |
| Sta. | 5165 | March 30, 1908 | Ostracods. Other crustacea. |
| Sta. | 5240 | May 11, 1908 | Ostracods |
| Sta. | 5180 | March 26, 1908 | Other crustacea |
| Sta. | 5196 | April 3, 1908 | |
| Sta. | 5553 | Sept. 18,1909 | Small fish. |
| Sta. | 5186 | March 30, 1908 | Other crustacea and ostracods. |
| Sta. | 5672 | Dec. 30, 1909 | |
| Sta. | 5223 | | |
| Sta. | 5129 | No. 93189 | |
| Sta. | 5232 | | |
| Sta. | 16 | 1887-88 | |
| Sta. | 5295 | July 24, 1908 | |
| Sta. | 5223 | April 24, 1908 | |
| Sta. | 5232 | May 7, 1908 | |
| Sta. | 5102 | Jan. 6, 1908. | |
| Sta. | 5196 | April 3, 1908. | |
| Sta. | 4009 | June 17, 1902. | Undinula, Euchaeta and Acrocalanus. |
| Sta. | 5155 | Feb. 19, 1908 | Other crustacea. |
| Sta. | 3980 | June 9, 1902 | Euchaeta, Undinula, Sclecithrix, Undacia. |
| Sta. | 5129 | Feb. 5, 1908 | Eucalanus & Rhincalanus |
| Sta. | 5395 | March 15, 1909 | Acrocalanus gracilis |
| Sta. | 48 | Aug. 7, 1895 | C. cristatus, C. finmarchicus, Metridia longa |
| Sta. | 4009 | June 17, 1902 | Undinula, Euchaeta and Acrocalnus. |
| Sta. | 52 | Aug. 10, 1895 | Calanus cristatus |
| Sta. | 3929 | May 13, 1902 | Tow in bulk |
| Sta. | 5653 | Dec. 17, 1909 | Surface tow in bulk. |

Box B

SPECIES FOUND AT STATION 10192

Corycaeus clausi
Corycaeus flaccus
Corycaeus typicus
Corycaeus latus
Rhincalanus cornutus
Rhincalanus nasutus
Neocalanus tenuicornis
Pontella pennata
Pseudocalanus minutus
Euchirella bitumida
Undeuchaeta major
Undeuchaeta plumosa
Scolecithrix danae
Megacalanus longicornis
Pachos punctatum
Copilia denticulata
Oithona similis
Temora longicornis
Eucalanus attenuatus
Scolecithrix bradyi
Centropages typicus
Euchaeta acuta
Euchaeta marina
Candacia norvegica
Candacia bispinosa
Neocalanus robustior
Calanus finmarchicus
Pontella atlantica
Centropages calaninus
Neocalanus gracilis
Scottocalanus securifrons
Euchirella messinensis
Tortanus discaudatus
Gaetanus pileatus
Acartia clausi
Euchirella intermedia
Gaidius tenuispinus
Heterorhabdus papilliger
Euchirella brevis
Pachyptilus abbreviatus
Metridia longa
Labidocera aestiva
Pareuchaeta norvegica
Gaetanus kruppi
Chirundina streetsi

SPECIES FOUND AT STATION 10208

Pleuromamma gracilis
Calanus minor
Corycaeus lautus
Scolecithrix danae
Neocalanus gracilis
Ha;optilus longicornis
Eucalanus attenuatus
Gaidius tenuispinus
Corycaeus clausi
Candacia simplex
Scolecithrix bradyi
Euchaeta marina
Oithona spinirostris
Oithona similis
Candacia bispinosa
Paracalanus parvus
Euchaeta acuta
Lucicutia flavicornis
Rhincalanus cornutus
Neocalanus tenuicornis
Neocalanus robustior
Acartia danae
Corycaeus flaccus
Undinula vulgaris
Corycaeus longistylis
Oncaea venusta
Pachyptilus abbreviatus
Lubbockia squillimana
Candacia aethiopica
Aetideus armatus
Lucicutia curta
Farranula carinata
Corycaeus speciosus
Candacia norvegica
Pseudocalanus minutus
Corycaeus furcifer
Haloptilus ornatus
Gaetanus miles
Undeuchaeta plumosa
Heterorhabdus papilliger
Calocalanus pavo

Bache

SPECIES FOUND AT STATION 10210

Oithona similis
Lucicutia flavicornis
Pleuromamma gracilis
Haloptilus longicornis
Scolecithrix bradyi
Pleuromamma xiphias
Undinula vulgaris
Eucalanus elongatus
Corycaeus speciosus
Heterorhabdus papilliger
Oncaea venusta
Corycaeus clausi
Candacia bispinosa
Rhincalanus cornutus
Euchirella messinensis

Bache

SPECIES FOUND AT STATION 10204

Euchaeta marina
Pleuromamma gracilis
Pleuromamma xiphias
Euchaeta acuta
Candacia armata
Lucicutia longicornis
Eucalanus attenuatus
Sapphirina metallina
Pachyptilus abbreviatus
Copilia denticulata
Copilia quadrata
Undinula vulgaris
Oithona similis
Eucalanus monachus
Scolecithrix danae

Bache

SPECIES FOUND AT STATION 10182

Metridia lucens
Pleuromamma gracilis
Tisbe furcata
Oncaea venusta
Development stages

Bache

SPECIES FOUND AT STATION 10176

Pseudocalanus minutus
Paracalanus parvus
Development stages

Bache

SPECIES FOUND AT STATION 10208

Undinula vulgaris
Heterorhabdus spinifrons
Lucicutia flavicornis
Corycaeus clausi
Pleuromamma gracilis
Corycaeus speciosus
Scolecithrix bradyi
Oncaea venusta
Pleuromamma xiphias
Phaenna spinifera
Candacia simplex
Rhincalanus nasutus
Eucalanus attenuatus
Haloptilus longicornis
Aetideus armatus
Gaidius tenuispinus
Oncaea conifera
Corycaeus furcifer

Bache

SPECIES FOUND AT STATION 10161

Euchirella messinensis
Pleuromamma xiphias
Eucalanus elongatus
Pareuchaeta incisa
Pleuromamma gracilis
Euchirella bitumida

Bache

SPECIES FOUND AT STATION 10206
(surface)

Phyllopus bidentatus
Candacia longimana
Eucalanus elongatus
Neocalanus gracilis
Euchirella brevis
Eucalanus attenuatus
Euchirella messinensis
Pleuromamma gracilis
Euchirella intermedia
Lucicutia longicauda
Pachyptilus abbreviatus
Euchaeta acuta
Pleuromamma xiphias
Gaetanus pileatus
Undeuchaeta plumosa
Chirundina streetsi
Rhincalanus cornutus
Euchirella galeata
Haloptilus longicornis
Euchirella bitumida
Heterorhabdus spinifrons
Gaidius tenuispinus
Scolecithrix danae
Candacia simplex

Baehr

SPECIES FOUND AT STATION 10166
(1100---0 m.)

Phyllopus bidentatus
Candacia longimana
Eucalanus elongatus
Neocalanus gracilis
Euchirella brevis
Eucalanus attenuatus
Euchirella messinensis
Pleuromamma gracilis
Pleuromamma abdominalis
Euchirella intermedia
Lucicutia longicornis
Pachyptilus abbreviatus
Euchaeta acuta
Pleuromamma xiphias
Gaetanus pileatus
Undeuchaeta plumosa
Chirundina streetsi
Rhincalanus cornutus
Euchirella galeata
Eucalanus attenuatus
Haloptilus longicornis
Euchirella bitumida
Heterorhabdus spinifrons
Gaidius tenuispinus
Scolecithrix danae
Candacia simplex

SPECIES FOUND AT STATION 1
Albatross

31°10'00" N. 125°00'00" W. Aug. 26 1899
300 f. to surface

Metridia princeps
Lucicutia grandis
Metridia longa
Neocalanus tenuicornis
Sapphirina nigromaculata
Euchaeta marina
Pleuromamma gracilis
Euchaeta acuta
Eucalanus attenuatus
Lucicuta tenuicauda
Euaugaptilus gibbus
Lucicutia flavicornis
Eucalanus elongatus
Heterorhabdus papilliger
Pleuromamma xiphias
Lophothrix frontalis

Baehr

SPECIES FOUND AT STATION 10198

Undinula vulgaris
Rhincalanus cornutus
Candacia longimana
Candacia norvegica
Euchaeta acuta
Pleuromamma xiphias
Pleuromamma abdominalis
Scolecithrix danae
Pleuromamma gracilis
Temora stylifera
Calanus minor
Euchaeta marina
Candacia pachydactyla
Undeuchaeta plumosa
Sapphirina opalina
Candacia bispinosa
Corycaeus speciosus
Neocalanus robustior
Pontellina plumata
Sapphirina nigromaculata
Euchirella bitumida
Candacia simplex
Scaphocalanus affinis (?)
Oncaea venusta
Eucalanus monachus
Copilia denticulata
Gaidius tenuispinus

SPECIES FOUND AT STATION 4611
Albatross

Eucalanus monachus
Calanus minor
Euchaeta marina
Scolecithrix danae
Labidocera detruncata
Scolecithrix bradyi
Undinula vulgaris
Euchaeta acuta
Candacia longimana
Candacia bispinosa
Temora discaudata
Oncaea venusta
Candacia aethiopica
Sapphirina nigromaculata
Pontella atlantica
Candacia simplex
Pleuromamma xiphias
Candacia norvegica

Identifications of Copepods
returned July 1936 by C. B. Wilson

SPECIES FOUND AT STATION 10188

Calanus minor
Pleuromamma gracilis
Lucicutia flavicornis
Neocalanus gracilis
Pontellina plumata
Euchaeta acuta
Copi;ia denticulata
Oithona similis
Scolecithrix bradyi
Mecynocera clausi
Candacia simplex
Candacia aethiopica
Heterorhabdus spinifrons
Farranula gracilis
Undeuchaeta plumosa
Corycaeus flaccus
Aetideus armatus
Oncaea venusta
Lucicutia curta
Candacia bispinosa
Acartia danae
Pachyptilus abbreviatus
Sapphirina nigromaculata
Megacalanus princeps
Phyllopus helgae
Pachos punctatum
Corycaeus clausi
Haloptilus longicornis
Sapphirina metallina
Neocalanus tenuicornis
Corycaeus furcifer
Centropages calaninus
Lucicutia tenuicauda
Oithona linearis
Paracalanus parvus
Neocalanus robustior
Gaetanus miles
Lubbockia squillimana
Oithona spinirostris
Farranula rostrata
Phyllopus bidentatus

SPECIES FOUND AT STATION 10205

Candacia norvegica
Calanus minor
Undinula vulgaris
Pleuromamma xiphias
Pleuromamma abdominalis
Eucalanus elongatus
Rhincalanus cornutus
Euchaeta marina
Eucalanus monachus
Candacia armata
Pleuromamma gracilis
Lucicutia flavicornis
Neocalanus robustior
Scolecithrix danae
Candacia bispinosa
Eucalanus attenuatus
Euchaeta acuta
Pachyptilus abbreviatus
Temora stylifera
Pachos punctatum
Neocalanus gracilis
Corycaeus lautus
Neocalanus tenuicornis
Candacia pachydactyla
Undeuchaeta plumosa
Corycaeus longistylus
Heterorhabdus spinifrons
Haloptilus ornatus
Candacia simplex
Heterorhabdus papilliger
Corycaeus speciosus
Corycaeus typicus
Aetideus armatus
Candacia bipinnata
Scolecithrix bradyi
Euchirella brevis
Sapphirina nigromaculata
Sapphirina opalina

Calanus finmarchicus deveopt
Euphausids, zoeas, etc. Grampus-
Labidocera acuta. Philippines
Euthemisto. Grampus 10160
Candacia bipinnata, Sta 10096
Ostracods Sta. 3712
Zaus abbreviatus } Crescent City
Tisbe furcata }
Thalestris longimana Alaska
Calanus finmarchicus - Acc. 86978
Acartia clausi. Gloucester Anchorage
Metridia mecrura D. 5320
Parenchaeta norvegica. Sta 2778
Calanus cristatus Alaska
Pontella atlantica, Sta. 10103
Amphiascus hirsutus, Tortugas
Pontella lobianoi Sta. 14.
Calanus finmarchicus, Chatham
Centropages typicus } Sta 10076
Centropages elongatus }
Oncaea ornifera D. 5495
Temora discaudata, Mexico
Pontella meadii Sta 10077
Metridia longa. Nausett, Mass
Onchocalanus trigonicerus D. 5320
Labidocera acuta. Jolo
Daphnids - Hudson Bay -
Centropages chierchiae, Hog Isl.
Aegisthus spinulosus D. 5495
Bradypontius major Tortugas.
Porcellidium fimbriatum, Nanaimo
Amphiascus hirsutus Tortugas
Euchaeta marina Sta. 41145
Centropages typicus - Mass. Bay.
Arietellus simplex Sta. 41766
Labidocera detrimanta Sta. 14.
Zoeas, Megalopsta Sta. 10161
Undeuchaeta major, Sta. 2572
Corycaeus speciosus Sta. 41145
Pontellina plumata + 6 others
Clausidium californicum, Cal.
Anomalocera pattersoni Sta. 10090
Centropages typicus } Chatham
Centropages elongatus }
Amphiascus minutus Tortugas
Centropages chierchiae Sta 10074

Paracalanus norvegica Sta 10077
Candacia norvegica Sta. 41
Anomalocera pattersoni Sta 10100
Sapphirina auronitens + 3 others
Pontella atlantica SE. Cape Eliz.
Temora longicornis + 2 others
Metridia longa } Sta 10076
Metridia lucens }
Centropages typicus } Sta 10074
Centropages elongatus }
Not Copepods -
Porcellidium fimbriatum } Alaska
Amphiascus minutus }
Pontella atlantica Sta 10096
Undinula vulgaris Jolo
Temora stylifera Baratavia
Pleuromamma abdominalis } Sta
Pleuromamma gracilis } 10016
Bathycalanus richiardi D. 5320
Euchirella galeata D. 5320
Labidocera hestiva. Cuchsbout
Rhincalanus nasutus Sta 10016
Eurytemora hirundoides
Paracalanus norvegica Sta. 27
Calanus hyperboreus, Siberia
Euthemisto spp.
Tisbe furcata } Nanaimo
Tisbe minor }
Oncaea similis Baratavia
Labidocera detrimanta, Mexico
Parenchaeta norvegica + 2 others
Amphiascus hirsutus Tortugas
Amphiascus hirsutus Tortugas
Calanus hyperboreus Siberia
Euaxiops serrulatus Maryland
Pleuromamma xiphias. D. 5320
Amphiascus hirsutus Tortugas
Pontella meadii Newport R.I.
Megacalanus longicornis. D 5320
Anomalocera pattersoni. Sta 10091
Acidius quebecensis Yellow Rock
Peltidium fornicatum Tortugas
Euchaeta marina Sta 3927
Parenchaeta tonsa. 99/730
Labidocera lubbocki Mexico

Opuscula varia.
By Wahlström, July 1936

Barth

SPECIES FOUND AT STATION 10205

Scolecithrix danae
Calanus minor
Neocalanus gracilis
Undinula vulgaris

Barth

SPECIES FOUND AT STATION 10166

Pleuromamma gracilis
Pleuromamma xiphias
Euchaeta acuta

Barth

SPECIES FOUND AT STATION 10182

Corycaeus flaccus
Pontellina plumata
Pleuromamma gracilis
Haloptilus longicornis
Candacia bispinosa
Candacia simplex
Calanus minor
Aetideus armatus
Neocalanus robustior
Neocalanus gracilis
Corycaeus lautus
Corycaeus latus
Heterorhabdus spinifrons
Sapphirina metallina
Candacia aethiopica
Gaidius tenuispinus
Lucicutia flavicornis
Undeuchaeta plumosa
Euchirella brevis
Lucicutia longicornis
Gaetanus pileatus
Candacia longimana
Scolecithrix danae
Scolecithrix bradyi
Eucalanus elongatus
Copilia denticulata
Oithona similis
Oithona spinifrons
Corycaeus longistylis
Gaetanus pileatus
Euchirella galeata
Pleuromamma xiphias
Megacalanus longicornis

SPECIES FOUND AT STATION 4766
Albatross

Eucalanus elongatus
Calanus cristatus
Pleuromamma gracilis
Pleuromamma xiphias
Arietellus simplex

SPECIES FOUND AT STATION 10184
(continued)

Copilia denticulata
Undeuchaeta plumosa
Candacia simplex
Corycaeus clausi
Candacia aethiopica
Eucalanus elongatus
Candacia bispinosa
Eucalanus attenuatus
Corycaeus speciosus
Oncaea venusta
Lubbockia squillimana
Gaetanus miles

Barth

SPECIES FOUND AT STATION 10209

Scolecithrix bradyi
Euchaeta acuta
Pleuromamma gracilis
Corycaeus typicus
Euchaeta marina
Calanus finmarchicus
Eucalanus attenuatus
Pontellina plumata
Undeuchaeta plumosa
Haloptilus longicornis
Oncaea venusta
Undinula vulgaris
Heterorhabdus spinifrons
Lucicutia flavicornis
Corycaeus lautus
Gaetanus miles
Neocalanus robustior
Calocalanus pavo
Undeuchaeta plumosa
Temora stylifera
Aetideus armatus
Pleuromamma xiphias
Rhincalanus cornutus
Sapphirina metallina
Copilia quadrata
Corycaeus furcifer
Candacia simplex
Gaidius tenuispinus
Pleuromamma piseki
Acartia danae
Lubbockia squillimana
Undeuchaeta major
Chirundina streetsi

Barth

SPECIES FOUND AT STATION 10172

Euchirella intermedia
Rhincalanus cornutus
Euchaeta marina
Calanus tonsus
Pleuromamma xiphias
Pleuromamma gracilis

Berle

SPECIES FOUND AT STATION 10182
1800—0m.

Neocalanus robustior
Lucicutia flavicornis
Pleuromamma gracilis
Neocalanus gracilis
Candacia simplex
Euchaeta acuta
Undeuchaeta plumosa
Pleuromamma xiphias
Euchaeta marina
Neocalanus tenuicornis
Heterorhabdus spinifrons
Corycaeus longistylis
Euchrella pulchra
Euchirella brevis
Scaphocalanus validus
Rhincalanus nasutus
Corycaeus lautus
Candacia armata
Eucalanus elongatus
Candacia bispinosa
Calanus minor
Gaidius tenuispinus
Pontellina plumosa
Gaetanus pileatus
Euchirella galeata
Haloptilus fons
Pachyptilus abbreviatus
Metridea princeps

Berle

SPECIES FOUND AT STATION 10204

Candacia norvegica
Eucalanus attenuatus
Euchaeta marina
Rhincalanus cornutus
Scolecithrix danae
Neocalanus robustior
Euchaeta acuta
Undinula vulgaris
Neocalanus gracilis
Haloptilus longicornis
Corycaeus speciosus
Candacia simplex
Pleuromamma xiphias
Scolecithrix bradyi
Eucalanus monachus
Sapphirina nigromaculata
Calanus minor
Candacia bispinosa
Sapphirina angusta
Temora stylifera
Candacia pachydactyla
Phaenna spinifera
Heterorhabdus spinifrons
Acartia danae
Centropages typicus

Berle

SPECIES FOUND AT STATION 10161

Neocalanus gracilis
Undinula vulgaris
Acartia danae
Calanus minor
Pleuromamma gracilis
Paracalanus parvus
Candacia aethiopica
Neocalanus tenuicornis
Heterorhabdus spinifrons
Scolecithrix bradyi
Euchaeta marina
Lucicutia flavicornis
Copilia quadrata
Copilia denticulata
Lucicutia tenuicauda
Eucalanus attenuatus
Pontellina plumosa
Sapphirina nigromaculata
Pachyptilus abbreviatus
Corycaeus speciosus
Candacia bispinosa
Temora stylifera
Scolecithrix danae
Farranula gracilis
Lucicutia curta
Oithona linearis

Berle

SPECIES FOUND AT STATION 10184

Scolecithrix bradyi
Pleuromamma gracilis
Corycaeus clausi
Haloptilus longicornis
Calanus minor
Neocalanus tenuicornis
Gaidius tenuispinus
Candacia simplex
Corycaeus furcifer
Undinula vulgaris
Sapphirina metallina
Neocalanus robustior
Euchaeta marina
Gaidius brevispinus
Pleuromamma piseki
Neocalanus gracilis
Euchirella brevis
Lucicutia flavicornis
Pleuromamma xiphias
Oithona similis
Aetideus armatus
Oithona spinirostris
Gaetanus pileatus
Euchaeta acuta
Rhincalanus nasutus
Pleuromamma abdominalis
Chirundina streetsi

(continued)

SPECIES FOUND AT STATION 10173

Gaidius tenuispinus
Pleuromamma xiphias
Lucicutia tenuicauda
Undeuchaeta plumosa
Neocalanus tenuicornis
Euchirella bitumida
Undinula vulgaris
Heterorhabdus spinifrons
Candacia armata
Lucicutis ovalis
Candacia bispinosa
Pleuromamma gracilis
Scolecithrix danae
Euchirella messinensis
Euchirella curticauda
Candacia simplex
Candacia longimana
Chirundina streetsi
Pachyptilus abbreviatus

SPECIES FOUND AT STATION 14
Albatross
51°34'23"S. 68°00'00"W. Jan. 17, 1888
Labidocera detruncata Tow net
Paracalanus parvus
Pseudocalanus minutus
Candacia simplex
Lucicutia flavicornis
Copi;ia denticulata
Farranula gracilis
Farranula carinata
Calocalanus pavo
Corycaeus lautus
Corycaeus flaccus
Pontella lobiancoi
Sapphirina pyrosomatis

SPECIES FOUND AT STATION 10212

Pleuromamma gracilis
Pleuromamma piseki
Heterorhabdus spinifrons
Undinula vulgaris
Scolecithrix bradyi
Scolecithrix danae
Euchaeta marina
Lucicutia flavicornis
Haloptilus longicornis
Candacia simplex
Gaetanus pileatus
Euchaeta acuta
Candacia bispinosa
Candacia aethiopica
Oncaea venusta
Corycaeus flaccus
Gaetanus pileatus
Oithona similis
Eucalanus elongatus
Copilia denticulata
Pontellina plumata
Corycaeus speciosus
Aetideus armatus
Neocalanus robustior
Rhincalanus cornutus
Euchirella brevis
Calanus minor

COMPLETION OF SPECIFIC CHARACTERS.

It often happens that the plankton yields but a single sex, and rarely a single specimen upon which to establish a new species. If the type specimen or specimens are females the resultant diagnosis may be accepted as valid since the female sex is now universally accepted for type copepod material But although valid the diagnosis must at the same time be acknowledged to be incomplete since it lacks the male characteristics. If the type specimen is a male there is also the possibility that it is the male of a species already described rather than the representative of something new.

It may even happen that the female is made the type of one species and the male the type of a different species instead of being fecognized as the two sexes of the same species. The present report contains such an instance which is explained and described on p.....

Again it would sometimes seem as if there were an exceptional dearth of males with the result that many of the plankton species contain females alone. Such must have been the case in connection with the Monaco Plankton and that monograph contains more than 100 species whose males are unknown.. The Albatross plankton comes to the rescue and supplies the missing sex in the following species and it is here described for the first time.

> Monacilla dubia - male -

> Acartia laxa Dana new male

> Amallothrix curticauda (A.Scott), new male

~~Disseta maxima Esterly, new male~~

> Disseta scopularis (Brady), new female

> Euaetideus bradyi (A.Scott), new male

> Euchaeta longicornis Giesbrecht, new male

> Euchaeta media Giesbrecht, new male

> Euchaeta pubera G.O.Sars, new male

> Euchirella bitumida C.With, new male

> Euchirella galeata Giesbrecht, new male

> Lophothrix latipes (T.Scott), new male

Macandrewella chelipes (Giesbrecht) new female.

> Macandrewella sewelli Farran new male.

> Pareuchaeta californica Farran new ♂

> Pareuchaeta erebi Farran, new male

> Pareuchaeta grandiremis (Giesbrecht) new male.

Pareuchaeta rasa Farran, new male

> Phyllopus aequalis G.O.Sars, new male.

> Phyllopus giesbrechti A.Scott new male.

> Pleuromamma piseki Farran, new male

Pontellopsis strenua (Dana), new female

Sapphirina longifurca A. Ssott, new male

Scaphocalanus echinatus Farran, new male

Scaphocalanus medius G.O. Sars, new male

Scolecithricella auropecten (Giesbrecht new male.

Scolecithricella dentata (Giesbrecht) new male.

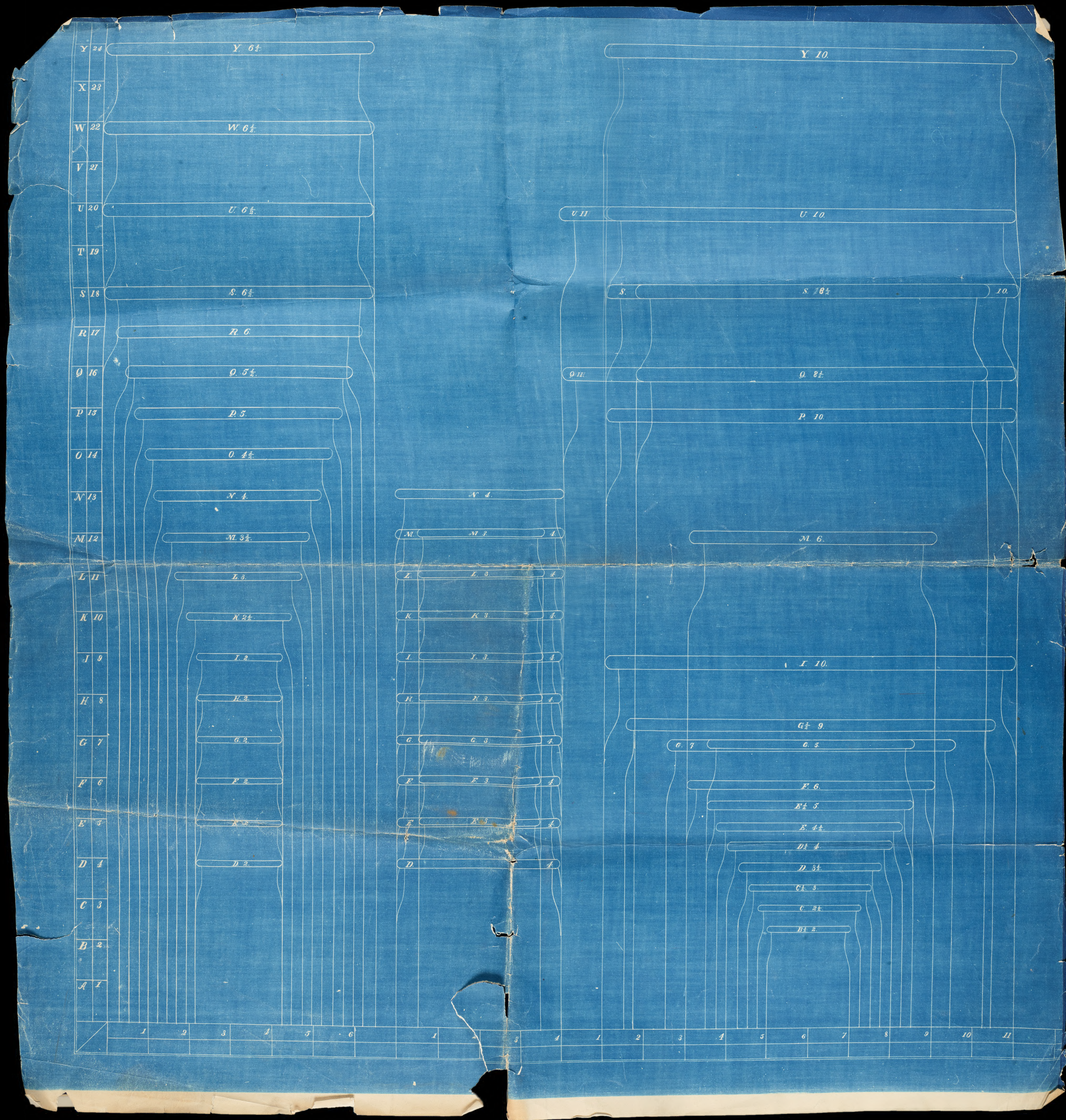
CORRECTIONS AND ADDITIONS.

As far as can be ascertained the species Acartia pacifica Steuer is here described for the first time. The name and figures of the fifth legs of the male and female without a word of description were published by Steuer in 1915 (Zool.Anz., Bd.45, No.9, p.397).

Euchirella amoena Giesbrecht is identified as the male of Euchirella bella Giesbrecht and supplementary details supplied.

Pontella valida Dana has been recorded as undetermined up to the present time, but is here shown to be identical with the male afterward described by Brady in the Challender plankton as Pontella elephas.

Ten species are here given a new description in order to correct errors or supply omitted details of sufficient importance to seriously affect their identification and validity.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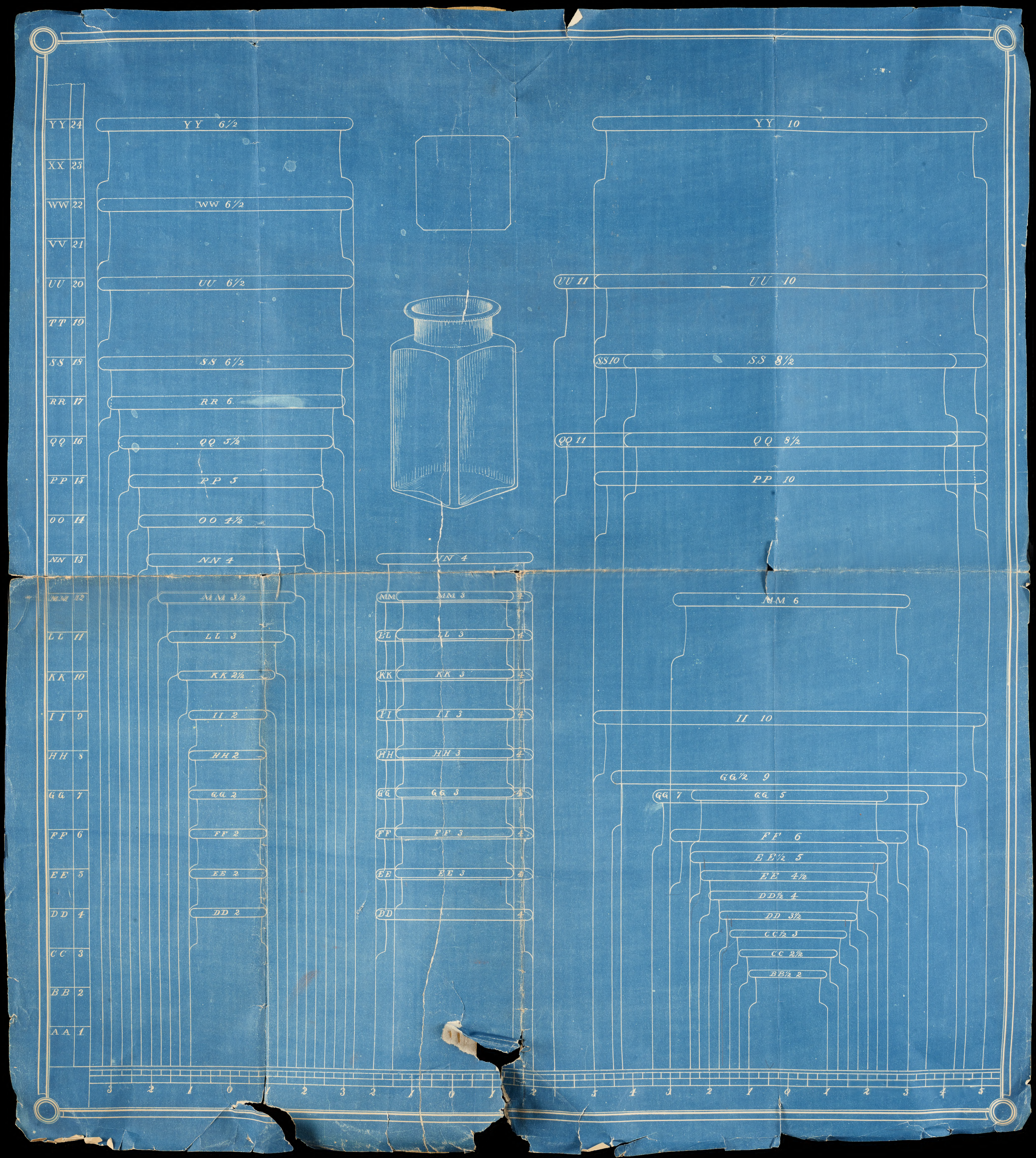
X 23
W 22
V 21
U 20
T 19
S 18
R 17
Q 16
P 15
O 14
N 13
M 12
L 11
K 10
I 9
H 8
G 7
F 6
E 5
D 4
C 3
B 2
A 1
Y. 6½.
W. 6½.
U. 6½.
S. 6½.
R. 6.
Q. 5½.
P. 5.
O. 4½.
N. 4.
M. 3½.
L. 3.
K. 2½.
I. 2.
H. 2.
G. 2.
F. 2.
E. 2.
D. 2.
N. 4.
M. 3. 4.
L. 3. 4.
K. 3. 4.
I. 3. 4.
H. 3. 4.
G. 3. 4.
F. 3. 4.
E. 3. 4.
D. 4.
Y. 10.
U. 10.
U 11
S. 18½ 10.
Q. 8½.
Q 11.
P. 10.
M. 6.
I. 10.
G½ 9.
G. 7
G. 5.
F. 6.
E½ 5.
E. 4½.
D½ 4.
D. 3½.
C½. 3.
C. 2½.
B½ 2.
1 2 3 4 5 6
1 2 3 4
1 2 3 4 5 6 7 8 9 10 11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XX 23
WW 22
VV 21
UU 20
TT 19
SS 18
RR 17
QQ 16
PP 15
OO 14
NN 13
MM 12
LL 11
KK 10
II 9
HH 8
GG 7
FF 6
EE 5
DD 4
CC 3
BB 2
AA 1
YY 6½
WW 6½
UU 6½
SS 6½
RR 6
QQ 5½
PP 5
OO 4½
NN 4
MM 3½
LL 3
KK 2½
II 2
HH 2
GG 2
FF 2
EE 2
DD 2
NN 4
MM 3 4
LL 3 4
KK 3 4
II 3 4
HH 3 4
GG 3 4
FF 3 4
EE 3 4
DD 4
YY 10
UU 11
UU 10
SS 10
SS 8½
QQ 11
QQ 8½
PP 10
MM 6
II 10
GG½ 9
GG 7
GG 5
FF 6
EE½ 5
EE 4½
DD½ 4
DD 3½
CC½ 3
CC 2½
BB½ 2
3 2 1 0 1 2 3 2 1 0 1 2 5 4 3 2 1 0 1 2 3 4 5